The Undergraduate Curriculum Committee recommends approval of the following:

1. New Courses

**AERO 451. Human Spaceflight Operations. (3-0). Credit 3.** Essential aspects of human spaceflight operations as performed by NASA; in-depth understanding of the state-of-the-art in spacecraft operations, including spacecraft systems, ground and launch operations, mission management and on-orbit activities such as science, robotics, spacewalking and human health maintenance; applications to future space systems. Prerequisite: Grade of C or better in AERO 321 or equivalent; senior classification.

**AGCJ 411. Audience and Communications Research Methods. (2-2). Credit 3.** Evaluation and implementation of research designs and methods used in audience and communications research; data collection methods and strategies, including interviews, observations, focus groups, surveys and content analyses, use of descriptive and comparative analyses to develop data-driven personas and recommendations for engaging target audiences. Prerequisite: Junior or senior classification.

**AGSC 305. Management of Supervised Agricultural Experiences. (3-0). Credit 3.** Overview of supervised agricultural experiences (SAEs) and content that can be used in the secondary agricultural science program; engagement in SAE programs; management practices for SAE projects including record keeping and student reports. Prerequisite: Junior or senior classification.

**ANSC 351. Current issues in Animal Agriculture. (3-0). Credit 3.** Preparation to project a professional image and the use of communication skills to describe animal agriculture; converse about the strengths and weaknesses of animal agriculture. Prerequisite: Junior or senior classification.

**ARAB 104. Intensive Beginning Arabic. (8-0). Credit 8.** Accelerated elementary language study, with oral, listening, reading and writing practice. Equivalent to ARAB 101 and ARAB 102.

**ARAB 204. Intensive Intermediate Arabic. (6-0). Credit 6.** Accelerated intermediate language study, with oral, listening, reading and writing practice. Equivalent to ARAB 201 and ARAB 202. Prerequisite: ARAB 102 or ARAB 104.

**ARCH 281. Seminar in Contemporary Architecture. (1-0). Credit 1.** Presentations by and discussions with professionals representing specialty areas related to environmental design through the Department of Architecture Lecture Series. May be taken four times for credit.

**ARCH 353. History of Product Design. (3-0). Credit 3.** History of product design in Europe and America including the relationship between designer and object, the relationship of design, industry and media over time and design criticism; focus on material/technical and typological approaches, comparative method and content analysis in context of original environment and social history. Prerequisite: Junior or senior classification or approval of instructor.

**ARCH 381. Design Seminar. (1-0). Credit 1.** Presentations by and discussions with professionals representing specialty areas related to architectural fabrication and product design. May be taken three times for credit. Prerequisite: Junior or senior classification or approval of instructor.

**ATTR 201 Field Experience in Athletic Training I. (0-4). Credit 1.** Field based experience in athletic training to provide on-the-job training designed to enhance and clarify career objectives; knowledge and skill development in professional behaviors, injury prevention and risk management. Prerequisite: Kinesiology majors.
ATTR 202. Field Experience in Athletic Training II. (0-4). Credit 1. Field based experience in athletic training to provide on-the-job training designed to enhance and clarify career objectives; knowledge and skill development in recognition and evaluation of common injuries and illnesses and their management. Prerequisite: ATTR 201.

ATTR 301. Field Experience in Athletic Training I. (0-4). Credit 1. Field based experience in athletic training to provide on-the-job training designed to enhance and clarify career objectives; knowledge and skill development in the treatment and rehabilitation of athletic injuries. Prerequisite: ATTR 202.

ATTR 302. Field Experience in Athletic Training II. (0-4). Credit 1. Field based experience in athletic training to provide on-the-job training designed to enhance and clarify career objectives; knowledge and skill development in athletic training administration; exploration of policy and position statements; professional development. Prerequisite: ATTR 301.

BAEN 484. Internship. No Credit. Practical experience working in a professional biological and agricultural engineering setting. May be taken three times. Prerequisite: Junior or senior classification; approval of the instructor.

BESC 311. International Perspectives on Environmental Issues. (3-0). Credit 3. Role of the United Nations and other institutions that promote international cooperation toward sustainable development goals; influence of cultural views on critical thinking about environmental issues, including population, water and agriculture, biodiversity and energy. Prerequisite: Junior classification or approval of instructor; must attend two mandatory pre-departure meetings.

CARC 181. First Year Seminar. (3-0). Credit 3. Seminar on various contemporary topics; introduction to high quality college instruction and research; focus on writing, speaking, exploration, discussion and research. May be taken two times for credit. Prerequisite: First time in college and College of Architecture undergraduate studies.

CHIN 405. Modern Chinese Fiction. (3-0). Credit 3. Analysis of major Chinese literary and other prose works of the twentieth and twenty-first centuries; taught in English. May be taken two times for credit. Prerequisite: Junior or senior classification or approval of instructor.

CHIN 465. Chinese Film. (3-0). Credit 3. Consideration and analysis of major works and directors of Chinese film; interpretation of culture through film; relationship of film to history, literature and other arts; taught in English. May be taken two times for credit. Prerequisite: Junior or senior classification or approval of instructor. Cross-listed with FILM 465.

CSCE 451. Software Reverse Engineering. (2-2). Credit 3. Overview of the compilation mechanism to generate executable files and raw binary codes from source codes; executable file formats for an operating system to run the binary code; disassembly algorithms and control graph analysis; static and dynamic analyses; case studies on code obfuscation, codebreaking, malware analysis. Prerequisite: CSCE 313 or approval of instructor.

COSC 202. Introduction to Housing. (3-0). Credit 3. Overview of the social, economic, environmental and cultural impacts of housing on communities and nations; varied prospectsives to understand the different facets of housing and their impacts on the human experience; critical thinking skills to gain knowledge and to be informed of housing choices.
COSC 310. Design and Construction Leadership Education I. (1-0). Credit 1. Promotion of personal leadership skills utilized within the design and construction professions; primary understanding and developing management skills with specific attention to developing personal attributes and skills necessary for achieving organizational goals. Prerequisites: CARC majors only pursuing the minor in leadership in the design & construction professions; junior or senior classification or approval of instructor.

COSC 333. Project Management for Faculty Managers. (3-0). Credit 3. Overview of project management for facility managers covering concepts and components of project management and their interrelationships in construction practice. Prerequisite: Minor in facility management; junior or senior classification or approval of instructor.

COSC 410. Design and Construction Leadership Education II. (1-0). Credit 1. Development of competencies in various leadership and management practices that are useful in an array of situations; emphasis on organizational leadership and management development with specific attention to intragroup relationships and techniques for achieving group goals. Prerequisites: COSC 310, CARC majors only pursuing the minor in leadership in the design and construction professions; junior or senior classification or approval of instructor.

COSC 411. Seminar in Design and Construction Executive Leadership. (1-0). Credit 1. Promotes an understanding of leadership and builds the capacity to understand and meet the challenges involved in developing and leading ethical and sustainable organizations in today’s economy; examination of theory, conceptualizing, reflection and application; share experiences in everyday life and learn to predict outcomes based on theoretical models. Prerequisite: COSC 410; CARC majors only pursuing the minor in leadership in the design and construction; junior or senior classification or approval of instructor.

CVEN 399. Mid-Curriculum Professional Development. No Credit. Participation in an approved high-impact learning practice; reflection on professional outcomes from civil engineering body of knowledge; documentation of experience appropriate to eventual professional licensure; self-assessment of learning at mid-curriculum point. Prerequisites: CVEN 207, CVEN 250, CVEN 303, CVEN 306, CVEN 311, CVEN 322, CVEN 345 and CVEN 363.


ECEN 484. Professional Internship. (1-0). Credit 1. Professional internship in a private company, government agency or laboratory, university or organization to provide work and/or research experience related to the student’s major and career objectives. May be taken three times for credit. Prerequisites: Grade of C or better in ECEN 214 or ECEN 248; junior or senior classification; approval of instructor and internship agency.

ENDS 108. Design and Visual Communication Foundations II. (1-12). Credit 5. Approaches to problem identification and problem solving emphasizing human, physical and cultural factors influencing architectural design; understanding of space, materiality and tectonics in a human body scale; development of drawing methods with emphasis on analytical drawing; reinforcement of visual and verbal communication as applied to design processes. Prerequisite: ENDS 105 and ENDS 115.
ENGL 305. Texas Literature. (3-0). Credit 3. Examination of Texas literature, culture and multimedia; exploration of the development of Texas identities and responses to the rich cultural diversity within the state; topics vary from each section. Prerequisite: Junior or senior classification.

ENGR 380. Seminar Series in Engineering Project Management. (1-0). Credit 1. Presentations by practicing engineers and professionals addressing engineering project management process and practice; discussion forum to better understand the opportunities and challenges of engineering project management and the analytical tools and skills required to be successful. Must be taken on a satisfactory/unsatisfactory basis. Prerequisites: ENGR 333 or approval of instructor; junior or senior classification in the Dwight Look College of Engineering or biological and agricultural engineering (BAEN).

ENGR 430. Fundamentals of Subsea Engineering. (3-0). Credit 3. Orientation to subsea engineering fundamentals, including SURF (Subsea, Umbilicals/Controls, Risers, Flowlines) equipment and configurations; exposure to practical, industry focused problems; subsea equipment components; design considerations and design drivers; subsea production operations; integrity critical maintenance activities. Prerequisite: Junior or senior classification; enrolled in the Dwight Look College of Engineering or approval of instructor.

ENTO 209. Veterinary Entomology Laboratory. (0-2). Credit 1. Insects and their relatives causation of economic loss, impacts to well-being and transmission of disease pathogens to domestic and companion animals and wildlife, as well as health and well-being of humans through occupational or recreational exposure; laboratory emphasizes identification of major arthropod pests, use of microscopy and dissection equipment. Prerequisite: Concurrent enrollment with ENTO 208.

FILM 465. Chinese Film. (3-0). Credit 3. Consideration and analysis of major works and directors of Chinese film; interpretation of culture through film; relationship of film to history, literature and other arts; taught in English. May be taken two times for credit. Prerequisite: Junior of senior classification or approval of instructor. Cross-listed with CHIN 465.

GEOG 391. Geodatabases. (3-1). Credit 3. GIS data modeling; introductory and advanced spatial SQL (structured query language); spatial database management system (DBMS) server setup, management and maintenance; spatial DBMS design, implementation, tuning, performance analysis and indexing; connecting spatial data services and warehouses to GIS software. Prerequisite: Junior or senior classification.

GEOL 102. Principles of Geology Laboratory. (0-2). Credit 1. Laboratory exercise-based introduction to the physical and chemical nature of the Earth and dynamic process that shape it; rock and mineral types; topographic and geologic maps; a complement to GEOL 101, but may be taken independently.

MATH 140. Mathematics for Business and Social Sciences. (3.0). Credit 3. Application of common algebraic functions, including polynomial, exponential, logarithmic and rational, to problems in business, economics and the social sciences; includes mathematics of finance, including simple and compound interest and annuities; systems of linear equations; matrices; linear programming; and probability, including expected value. No credit will be given for more than one of MATH 140, MATH 141 and MATH 166. Prerequisite: High school algebra I and II and geometry.
NRSC 350 Science of Mind and Brain. (3-0). Credit 3. Research in cognitive neuroscience; methodological advances that enable the study of the human brain safely in the laboratory; complex aspects of the mind like emotion, social behavior, and consciousness. Prerequisite: Junior or senior classification.

PHLT 484. Public Health Studies Field Experience. (3-0). Credit 3. On the job training in the area of public health studies industry; development of objectives and goals; evaluation by supervisor required. Prerequisites: Approval of instructor; junior or senior classification; public health major with a minimum overall 3.0 TAMU GPA.

PHYS 328. Experimental Physics II. (1-1). Credit 1. Laboratory experiments in modern physics and physical optics with an introduction to current, state-of-the-art recording techniques. Prerequisites: PHYS 225, PHYS 309, PHYS 327.

PHYS 416. Physics of the Solid State. (3-0). Credit 3. A survey of solid state physics; an introduction to crystal structures and the physics of electrons, lattice vibrations and photons; applications to semiconductors; magnetism; superconductivity; physics of nanostructures; brief introduction to selected current topics in condensed matter physics. Prerequisites: PHYS 304 and PHYS 412.

PSYC 350. Sciences of Mind and Brain. (3-0). Credit 3. Research in cognitive neuroscience; methodological advances that enable the study of the human brain safely in the laboratory; complex aspects of the mind like emotion, social behavior and consciousness. Prerequisite: Junior or senior classification. Cross-listed with NRSC 350.

SPAN 208. Spanish for Health Professionals I. (3-0). Credit 3. First half of a two-semester sequence for intermediate level Spanish; for those interested in careers in the health professions; presentation and practice of the most important basic communication functions in patient-provider interaction. Prerequisite: SPAN 102 or placement by exam.

SPAN 218. Spanish for Health Professionals II. (3-0). Credit 3. Second half of a two-semester course sequence for intermediate level Spanish; for those interested in careers in the health professions; presentation and practice of the most important basic communication functions in patient-provider interaction. Prerequisite: SPAN 201, SPAN 208, or placement by exam with approval of instructor.

SPAN 318. Oral Communication for Health Professionals. (3-0). Credit 3. Development of advanced oral communication skills in Spanish within the context of the medical professions through discussion and study of health related and cultural issues relating specifically to the Latino/Hispanic community. Field trips, service learning, volunteering, interviews, impromptu speaking and formal presentations may be required. Prerequisite: Junior or senior classification or approval of instructor with placement exam, or SPAN 202 or SPAN 218.

SPAN 407. Spanish-English Translation. (3-0). Credit 3. Foundations of translation methodology, strategies and practice; rendering of literary and non-literary texts; ethics of translation; emphasis on translation into the first language. Prerequisite: 6 credits of upper division SPAN with a grade of B or better or approval of instructor.

SPAN 417. Advance Spanish-English Translation. (3-0). Credit 3. Expansion of translation practice and development of lexical and stylistic competence in specialized fields, including commercial, legal, medical, technical and scientific; mandatory service learning component included. Prerequisite: SPAN 407 with a grade of B or better or approval of instructor.
SPMT 481. Seminar. (1-0). Credit 1. A variety of topical seminars in communicating contemporary and historical sport management subjects designed to complement the curriculum in sport management. May be taken three times for credit. Prerequisite: Admission to the professional phase of the sport management program; junior or senior classification; or approval of instructor.

VIBS 243. Introductory Mammalian Histology. (1-2). Credit 2. Biological aspects of the human body by integrating histology and anatomy and physiology; emphasis on the transition of cell and tissue organization to organ systems that comprise mammalian organisms; builds upon concepts introduced in lower-level biology and builds a foundation to succeed in upper-level histology, anatomy and physiology.

VIST 432. Applied Perception. (3-0). Credit 3. An advanced introduction to perceptual science, including the cognitive, neural and evolutionary processes that undergird perceptual systems as well as the variety of perceptual factors that influence design decision. Prerequisite: Visualization major; junior or senior classification or approval of instructor.


2. Change in Courses

AERO 291. Research.

Variable credit hours
   From: Credit 1 to 4.
   To: Credit 0 to 4.

AERO 491. Research.

Variable credit hours
   From: Credit 1 to 4.
   To: Credit 0 to 4.


Prerequisites
   From: ENDS 116 or approval of instructor.
   To: None.


Prerequisites
   From: Junior or senior classification, or approval of instructor; ENDS 106.
   To: Junior or senior classification or approval of instructor; ARCH 216 or approval of instructor.

ARCH 433. Architectural Lighting.

Prerequisites
   From: Junior or senior classification.
To: ARCH 335 or junior or senior classification in EDAS.

**BMEN 428. Microcontrollers & Comm. in Medical Devices.**

Lecture and lab contact hours  
From: (3-0). Credit 3.  
To: (2-3). Credit 3.

**CHEN 204. Elementary Chemical Engineering.**

Lecture and lab contact hours  
From: (3-0). Credit 3.  
To: (2-3). Credit 3.

Prerequisites

From: Admission to chemical engineering major or approval of instructor.  
To: Grade of C or better in CHEM 102, CHEM 112, ENGR 112, MATH 152 and PHYS 218; admission to chemical engineering major; or approval of instructor.

**COMM 475. Media and the Middle East.**

Course number  
From: COMM 475.  
To: COMM 367.

**ECEN 314. Signals and Systems.**

Lab contact hours  
From: (3-0). Credit 3.  
To: (3-1). Credit 3.

**ENGL 320. Technical Editing and Writing.**

Course title  
From: Technical Editing and Writing.  
To: Technical and Professional Editing.

Course description  
From: Clarifying, reducing, expanding and synthesizing such technical materials created by others as manuals, annual reports, and technical articles and reports; audience adaptation, invention, organization, style and mechanics explored.  
To: Principles and techniques of technical editing for print and electronic media, including standards, style, copy-editing, comprehensive editing and project management.

**ENGL 460. Writing for the Web.**

Course title  
From: Writing for the Web.  
To: Digital Authoring Practices.
Course description

From: Integration of technology instruction and proven technical communication strategies for developing effective audience-appropriate websites (infrastructure, structure, content, design, and navigation); focus on rhetorical shifts of the Internet medium, as well as ethical, sociocultural and legal issues, including web accessibility.

To: Analysis and practice of authoring in digital environments, including individual and collaborative approaches, audience concerns, theoretical, ethical and stylistic issues; environments and topics may include web design, content management system (CMS), text encoding, project management, usability, version tracking, content authoring and accessibility.

ENGR 291. Research.

Variable credit hours

From: Credit 1 to 4.
To: Credit 0 to 4.

ENGR 491. Research.

Variable credit hours

From: Credit 1 to 4.
To: Credit 0 to 4.

ENTO 208. Veterinary Entomology.

Lab contact hours and semester credit hours

From: (2-2). Credit 3.
To: (2-0). Credit 2.

Course description and prerequisites

From: Classification, biology and control of insects and other arthropods associated with livestock and poultry production; identification emphasized in laboratory.

To: Insects and their relatives causation of economic loss, impacts to well-being and transmission of disease pathogens to domestic and companion animals and wildlife as well as health and well-being of humans through occupational or recreational exposure; insect biology, economic importance and principles and methods of prevention and control.

GEOG 203. Plant Earth.

Lab contact hours

From: (3-0). Credit 3.
To: (3-1). Credit 3.


Prerequisites

From: GEOG 361 and GEOG 475 or equivalents, or approval of instructor; junior or senior classification.

To: GEOG 361, GEOG 390, GEOG 475; CSCE 110 or CSCE 111.
**GEOG 484. Internship.**

Course description

From: Directed internship in a private firm, government agency, or non-governmental organization to provide work experience related to the student's degree program and career objectives. May be taken 2 times for credit.

To: Directed internship in a private firm, government agency or non-governmental organization to provide work experience related to the student's degree program and career objectives.

**GEOL 101. Principles of Geology.**

Lab contact hours

From: (3-0). Credit 3.

To: (3-1). Credit 3.

**JOUR 304. Editing for the Mass Media.**

Lecture and lab contact hours

From: (2-2). Credit 3.

To: (3-0). Credit 3.

Course description and prerequisites

From: Principles and practice of editing including: improving and tightening print and broadcast copy; writing headlines, titles and subheads; photo editing and cutlines; graphics and layout. Prerequisites: JOUR 203, junior or senior classification and enrollment in journalism minor; or approval of program director.*

To: Principles and practice of editing including: improving and tightening text; writing headlines, titles and subheads; self-editing and editing others; tailoring texts for specific audiences; understanding style guides. Prerequisites: Junior or senior classification; or approval of program director.

**KINE 223. Introduction to the Science of Health and Fitness.**

Course description

From: Overview of the human body systems; interdisciplinary focus on wellness, fitness, nutrition, disease, drug use; integrated physical activity centering on principles and applications of conditioning; collect data, evaluate information, formulate plans based on findings; experience with pedometers, heart rate monitors, bioelectrical impedance devices, software and other technology. Not open to students who have taken KINE 120.

To: Overview of the human body systems; interdisciplinary focus on wellness, fitness, nutrition, disease, drug use; integrated physical activity centering on principles and applications of conditioning; collect data, evaluate information, formulate plans based on findings; experience with pedometers, heart rate monitors, bioelectrical impedance devices, software and other technology.

**LAND 200. Introduction to Landscape Architectural Practice.**

Course number

From: LAND 200.
To: LAND 101.

Cross-listing
From: Cross-listed with URPN 200.
To: Cross-listed with URPN 101.

**LAND 254. Landscape Architecture Communications I.**

Course number
From: LAND 254.
To: LAND 111.

**LAND 255. Landscape Architectural Communications II.**

Course number
From: LAND 255.
To: LAND 112.

**LAND 318. Landscape Design I.**

Course number
From: LAND 318.
To: LAND 211.

**LAND 319. Landscape Design II.**

Course number
From: LAND 319.
To: LAND 212.

**LAND 320. Landscape Design III.**

Course number
From: LAND 320.
To: LAND 311.

Course description
From: Design process, synthesis and design refinement; problems to stimulate highly creative self-motivated results, design thinking to integrate behavioral settings into natural and/or built landscape systems.
To: Design process, sustainable landscape design, synthesis and design refinement; problems to stimulate highly creative self-motivated results, design thinking to integrate behavioral settings into natural and/or built landscape systems.

**LAND 321. Landscape Design IV.**

Course number
From: LAND 321.
To: LAND 312.
LAND 330. Landscape Construction II.

Course number
- From: LAND 330.
- To: LAND 232.

LAND 421. Landscape Design VI.

Course number
- From: LAND 421.
- To: LAND 412.

Course description
- From: Advanced study and research designed to take the student beyond the core design experience; introduction of issues, methodologies, tools and techniques developing in professional practice.
- To: Capstone studio; advanced study and research designed to go beyond the core design experience; introduction of issues, methodologies, tools and techniques developing in professional practice.

LAND 442. Professional Practice.

Course number
- From: LAND 442.
- To: LAND 431.

MATH 141. Business Mathematics I.

Course title
- From: Business Mathematics I.
- To: Finite Mathematics.

Course description
- From: Linear and quadratic equations and applications; functions and graphs, systems of linear equations, matrix algebra and applications, linear programming, probability and applications, statistics. No credit will be given for more than one of MATH 141 and MATH 166.
- To: Linear equations and applications; systems of linear equations, matrix algebra and applications, linear programming, probability and applications, statistics. No credit will be given for more than one of MATH 140, MATH 141 and MATH 166.
MATH 142. Business Mathematics II.

Course title
From: Business Mathematics II.
To: Business Calculus.

Prerequisites
From: High school algebra I and II and geometry or satisfactory performance on a qualifying examination
To: MATH 140 or equivalent or acceptable score on Texas A&M University math placement exam.

MATH 166. Topics in Contemporary Mathematics II.

Course description
From: Finite mathematics, matrices, probability and applications. No credit will be given for more than one of MATH 141 and MATH 166.
To: Finite mathematics, matrices, probability and applications. No credit will be given for more than one of MATH 140, MATH 141 and MATH 166.

MEEN 357. Engineering Analysis for Mechanical Engineers.

Prerequisites
From: ENGR 112 and MATH 308.
To: ENGR 112 and MATH 308; MEEN 210 or concurrent enrollment.

MEEN 360. Materials and Manufacturing Selection in Design.

Prerequisites
From: MEEN 222, MEEN 260; CVEN 305; junior or senior classification; or approval of instructor.
To: MEEN 210, MEEN 222, MEEN 260; CVEN 305; junior or senior classification.

MEEN 363. Dynamics and Vibrations.

Prerequisites
From: MEEN 225; MATH 308; MEEN 357 or CVEN 302, or registration therein; CVEN 305 or registration therein.
To: MEEN 225; MATH 308; MEEN 357 or concurrent enrollment; CVEN 305 or concurrent enrollment.

OCNG 251. Oceanography.

Lab contact hours
From: (3-0). Credit 3.
To: (3-1). Credit 3.

PHYS 327. Experimental Physics I.

Lecture and lab contact hours and semester credit hours
From: (2-3). Credit 3.
To: (1-2). Credit 2.

**SCMT 340. Supply Chain Management.**

Course title
From: Supply Chain Management.
To: Global Supply Chain Management.

Course description
From: Focus on the integrated management of the total product delivery system; purchasing, inventory management and distribution functions, with emphasis on materials and information flows.
To: Extend knowledge of basic concepts of transportation and logistics to specialized situations in international business in order to understand (a) the international trade and commercial environment, (b) exporting and importing documentation and procedures and (c) operations involving international shipping and transportation.

**SCSC 305. Production Agronomy Experience.**

Course title
From: Production Agronomy Experience.
To: Professional Development in Agronomy.

Course description
From: Agronomy industry practices related to crop production; site visits in Texas and in the Mississippi Delta include a review of farming equipment, conservation agriculture practices, agro-chemical distribution and sales, grain product processing and distribution and on-farm management techniques.
To: Enhancement of human relation skills related to a career in soil and crop sciences; field trip to Mississippi to interact with leadership from a global agricultural company; on-campus experiences to improve effective learning practices, job seeking and retention and setting and achieving near-term and long-term professional goals.

**SCSC 312. Introductory Turfgrass Management Laboratory.**

Course title
From: Introductory Turfgrass Management Laboratory.
To: Professional Development in Turfgrass.

Course description
From: Fundamentals of turfgrass anatomy, growth habit, identification and characteristics of cool- and warm-season turfgrass species; understanding of seed quality and labeling, pesticide safety, handling, and application, and fertilizer sources, safety, and application; specialized equipment used in the turfgrass industry.
To: Includes but not limited to fertilizer, pesticide, irrigation calculations; turfgrass, insect and weed identification and management, soils and rootzone construction; irrigation system operation and auditing; sprayer and spreader operation and calibration; builds upon and allows application of information obtained in SCSC 302; designed to better prepare those intending to compete in the GCSAA and STMA Collegiate Turf Bowl competitions.
SPMT 482. Seminar.

Course title
From: Seminar.
To: Professional Writing Seminar.

Course description
From: Acquaint students with current research and the research process in their chosen field of study (sport management). May be taken 4 times for credit.
To: Acquaint students with a primary means of communicating contemporary research in sport management; extensive readings, intensive writings and an oral presentation designed to complement the curriculum in sport management by introducing the application of sport management research to organizational decision making.


Course title
To: Cybersecurity and Digital Ethics.
3. Change in Curriculum

**College of Agriculture and Life Sciences**

Department of Biological and Agricultural Engineering

BS in Agricultural Systems Management
4. Change in Curriculum

College of Agriculture and Life Sciences
   Department of Nutrition and Food Science
   BS in Food Science and Technology – Food Science Option
5. Change in Curriculum

**College of Agriculture and Life Sciences**
Department of Nutrition and Food Science
BS in Food Science and Technology – Industry Option
6. Change in Curriculum

   **College of Architecture**
   Department of Architecture
   BED in Environmental Design Architectural Studies
7. Change in Curriculum

**College of Architecture**
Department of Construction Science
Minor in Facility Management
8. Change in Curriculum

College of Architecture
   Department of Visualization
   Minor in Art
9. Change in Curriculum

Mays Business School
   Minor in Business Administration
10. Change in Curriculum

**Mays Business School**
Department of Information and Operations Management
BBA in Management Information Systems
11. Change in Curriculum

**Mays Business School**
Department of Information and Operations Management
BBA in Supply Chain Management
12. Change in Curriculum

**College of Education and Human Development**
Department of Health and Kinesiology
BS in Health – Allied Health Track
13. Change in Curriculum

**College of Education and Human Development**
Department of Health and Kinesiology
Minor in Sport Management
14. Change in Curriculum

**Dwight Look College of Engineering**  
Department of Computer Science and Engineering  
BS in Computer Science
15. Change in Curriculum

**Dwight Look College of Engineering**
Department of Engineering Technology and Industrial Distribution
BS in Manufacturing and Mechanical Engineering Technology
16. Change in Curriculum

**Dwight Look College of Engineering**
Department of Engineering Technology and Industrial Distribution
BS in Industrial Distribution
17. Change in Curriculum

Dwight Look College of Engineering
Department of Industrial and Systems Engineering
Minor in Industrial Engineering
18. Change in Curriculum

**College of Geosciences**
BS in Environmental Geosciences
19. Change in Curriculum

**College of Geosciences**

BS in Environmental Studies
20. Change in Curriculum

**College of Geosciences**

Minor in Climate Change
21. Change in Curriculum

College of Geosciences
Minor in Earth Sciences
22. Change in Curriculum

**College of Geosciences**

Minor in Environmental Geosciences
23. Change in Curriculum

**College of Geosciences**

Department of Geography

BS in Geographic Information Science and Technology

All tracks
24. Change in Curriculum

**College of Geosciences**
Department of Oceanography
BS in Environmental Geosciences and MS in Oceanography – 3+2
25. Change in Curriculum

**College of Geosciences**
- Department of Geology and Geophysics
- Department of Oceanography
  - BA in Geology and MS in Oceanography – 3+2
26. Change in Curriculum

**College of Geosciences**
Department of Geology and Geophysics
Department of Oceanography
BS in Geology and MS in Oceanography – 3+2
27. Change in Curriculum

**College of Geosciences**
- Department of Atmospheric Sciences
- Department of Oceanography
  - BS in Meteorology and MS in Oceanography – 3+2
28. Change in Curriculum

**College of Liberal Arts**

Minor in Liberal Arts Honors
29. Change in Curriculum

College of Liberal Arts
  Department of Communication
  BA in Communication
30. Change in Curriculum

**College of Liberal Arts**
Department of Communication
BA in Telecommunication Media Studies
31. Change in Curriculum

**College of Liberal Arts**
- Department of Communication
- BS in Telecommunication Media Studies
32. Change in Curriculum

**College of Liberal Arts**
Department of History
BA in History
33. Change in Curriculum

College of Liberal Arts
Department of Sociology
BA in Sociology
34. Change in Curriculum

College of Liberal Arts
Department of Sociology
BA in Sociology and MPSA – 3+2
35. Change in Curriculum

**College of Liberal Arts**
Department of Sociology
BS in Sociology
36. Change in Curriculum

**College of Liberal Arts**
Department of Sociology
BS in Sociology and MPSA – 3+2
37. Change in Curriculum

**College of Liberal Arts**

Department of Sociology

Minor in Latina/o and Mexican-American Studies
38. Change in Curriculum

**College of Science**
- Department of Mathematics
- BS in University Studies - Mathematics for Business Concentration
39. Change in Curriculum

**College of Science**

Department of Mathematics

BS in University Studies - Mathematics for Teaching
40. Texas A&M University at Galveston

a. New Courses

DIVE 250. SCUBA Diving I. (2-2). Credit 3. Fundamental academic knowledge and practical application of SCUBA diving practices and theory; introduction to diving tables and diving physiology. Prerequisite: Must complete a medical statement showing no contraindications to diving, or have a recreational SCUBA diver's physical examination.

DIVE 251. SCUBA Diving II. (2-2). Credit 3. Methods to promote safe, self-reliant diving and improve the diver's comfort, coordination and strength in the water; to build competency in dive planning and organization. Prerequisite: Must complete a medical statement showing no contraindications to diving, or have a recreational SCUBA diver's physical examination; open water certification from a nationally recognized agency; Divers Alert Network (DAN) insurance or equivalent.

DIVE 330. Rescue Diving. (2-2). Credit 3. Relates skills necessary to perform basic life support, administer dive first aid, evacuate victim, assist and rescue other divers in water; illustrate proper dive planning; practice accident prevention and effective accident management. Prerequisites: Must complete a medical statement showing no contraindications to diving, or have a recreational SCUBA diver's physical examination; certification as a SDI SCUBA diver or equivalent; Divers Alert Network (DAN) diving accident insurance or equivalent.

DIVE 331. Alternative Diving Technology. (2-2). Credit 3. Illustrates the realities of operating in the scientific, public safety and military diving disciplines; practice real world training scenarios involving multiple aspects of each of the three fields. Prerequisites: Must complete a medical statement showing no contraindications to diving, or have a recreational SCUBA diver's physical examination (or AAUS physical if rating with AAUS); certification as an Advanced and Rescue Diver or equivalent; Divers Alert Network (DAN) diving accident insurance or equivalent; junior or senior classification or approval of instructor.

DIVE 357. Dive Leadership – Divemaster. (2-2). Credit 3. Examines divemaster-level dive knowledge, dive leadership theory and application, presentations skills, physical diving skills, logistics and planning, and operational execution; develops a multi-environment capable diving leader. Prerequisites: Must complete a medical statement showing no contraindications to diving, or have a recreational SCUBA diver's physical examination; certification as a SDI Advanced SCUBA Diver and SDI SCUBA Rescue Diver or equivalent; 60 varied dives logged; current certifications in First Aid, CPR and Emergency Oxygen Administration; Divers Alert Network (DAN) diving accident insurance (or equivalent); junior or senior classification or approval of instructor.

DIVE 457. Dive Leadership – Instructor. (2-2). Credit 3. Apply effective methods to teach skin and SCUBA diving in compliance with training agency instructional standards; evaluate instructional level dive knowledge, water skills and presentation performance in accordance with training agency teaching standards. Prerequisites: Recreational SCUBA diver's medical evaluation; certification as a SCUBA divemaster or equivalent; 100 varied dives logged; current certification in First Aid, CPR and Emergency Oxygen Administration; Divers Alert Network (DAN) diving accident insurance or equivalent; junior or senior classification or approval of instructor.

b. Withdrawal of Courses
MAST 110. Scuba Lecture.
MAST 120. Scuba II Lecture.
MAST 331. Alternate Diving Technology.
MAST 357. Diving Leadership-Divemaster.
MAST 457. Dive Leadership-Dive Instructor.

c. Change in Course

MASE 319. Naval Architecture Design I.

Prerequisites
From: CVEN 311, CVEN 345; MASE 221, MASE 214. Junior or senior classification or approval of instructor. Enrollment in OCSE major degree sequence.
To: CVEN 311 and CVEN 345 or concurrent enrollment; MASE 221 and MASE 214 or concurrent enrollment; junior or senior classification or approval of instructor; enrollment in OCSE major degree sequence.

CIP code
From: 1424010006.
To: 1422010006.
41. Texas A&M University at Galveston

d. Change in Curriculum

Texas A&M University at Galveston
Department of Liberal Studies
Minor in Diving Technology and Methods
42. Texas A&M University at Galveston

d. Change in Curriculum

Texas A&M University at Galveston
Department of Marine Biology
BS in Marine Biology – License Option
43. Special Consideration

**College of Agriculture and Life Sciences**
Department of Recreation, Park and Tourism Sciences
BS in Community Development
Request to discontinue degree program
44. Special Consideration

**College of Architecture**

Department of Architecture

Minor in Architectural Fabrication and Product Design

Request for a new minor
45. Special Consideration

**College of Architecture**
- Department of Construction Science
- Minor in Leadership in the Design and Construction Professions
- Request for a new minor
46. Special Consideration

**College of Architecture**
Department of Visualization
Minor in Game Design and Development
Request for a new minor
47. Special Consideration

**College of Education and Human Development**
Department of Health and Kinesiology
BS in Kinesiology and MS in Athletic Training
Request for a new 3+2 program
48. Special Consideration

Dwight Look College of Engineering
Minor in Cybersecurity
Request for a new minor
49. Special Consideration

**Dwight Look College of Engineering**
Minor in Engineering Project Management
Request for a new minor
Dwight Look College of Engineering
Department of Computer Science and Engineering
Minor in Game Design and Development
Request for a new minor
51. New Courses – from November 2015 UCC Meeting

**AGSM 284. Internship. No Credit.** Practical experience working in a professional agricultural systems management setting. May be taken three times. Prerequisite: Freshman or sophomore classification; approval of the instructor.

**AGSM 484. Internship. No Credit.** Practical experience working in a professional agricultural systems management setting. May be taken three times. Prerequisite: Junior or senior classification; approval of the instructor.

**BAEN 284. Internship. No Credit.** Practical experience working in a professional biological and agricultural engineering setting. May be taken three times. Prerequisite: Freshman or sophomore classification; approval of the instructor.
NEW COURSES
Texas A&M University

Departmental Request for a New Course
Undergraduate • Graduate • Professional
Submit original form and attach a course syllabus.

Form Instructions:

1. Course request type:
   - ✔ Undergraduate
   - □ Graduate
   - □ First Professional (DMD, MD, JD, PharmD, DVM)

2. Request submitted by (Department or Program Name):
   Department of Aerospace Engineering

3. Course prefix, number and complete title of course:
   AERO 451 Human Spaceflight Operations

4. Catalog course description (not to exceed 50 words):
   Essential aspects of human spaceflight operations as performed by NASA; in-depth understanding of the state-of-the-art in spacecraft operations, including spacecraft systems, ground and launch operations, mission management and on-orbit activities such as science, robotics, spacewalking and human health maintenance; applications to future space systems.

5. Prerequisite(s):
   C or better in AERO 321 or equivalent; senior classification

   Cross-listed with:
   Stacked with: AERO 651

   Cross-listed courses require the signature of both department heads

   If yes, from ________ to ________

6. Is this a variable credit course?
   - □ Yes
   - ✔ No

7. Is this a repeatable course?
   - □ Yes
   - ✔ No

   If yes, this course may be taken ________ times.

   Will this course be repeated within the same semester?
   - □ Yes
   - ✔ No

   Will this course be submitted to the Core Curriculum Council?
   - □ Yes
   - ✔ No

9. How will this course be graded?
   - ✔ Grade
   - □ S/U
   - □ P/F (CLMD)

10. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in History)
   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

   BS AERO

11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

12. I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-control/export-control-basics-for-distance-education).

13. Prefix Course # Title (excluding punctuation)
   AERO 451 HUMAN SPACEFLIGHT OPS

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<th>Lect.</th>
<th>Lab</th>
<th>Other</th>
<th>SCH</th>
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<th>Admin. Unit</th>
<th>Acad. Year</th>
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   Approval recommended by:

   Date: 10-30-15
   Chair, College Review Committee

   Date: 12-15

   Date: 12-15
   Chair, GC or UCC

   Date: Effective Date

   Submitted to Coordinating Board by:

   Associate Director, Curricular Services

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 07/14
Department of Aerospace Engineering  
AERO 451, Spring 2017  
Human Spaceflight Operations  
Credit 3: (3-0), Elective Course  
(Stacked with AERO 651)

Instructors: Greg Chamitoff, HRBB-746B. chamitoff@tamu.edu  
Office Hours: TBD  
Rao Vadali, HRBB-727B. svadali@tamu.edu  
Office Hours: TBD  

TA: TBD, Office TBD, Email TBD  
Office Hours: TBD

Aggie Honor Code: An Aggie does not lie, cheat or steal, or tolerate those who do.  

Textbook and Required Material: None. Study materials and lecture notes will be provided for each section of the course throughout the semester.  

Prerequisites: Aero 321. This course is intended for senior level Aerospace Engineering students.  

Course Description: The intent of this course is to give students a solid background and understanding of the essential aspects of human spaceflight operations as it has been done by the experts in their respective fields over the past few decades (primarily at NASA). A broad and complete range of subjects will be studied, including all the spacecraft systems, ground and launch operations, mission management and on-orbit activities such as science, robotics, spacewalking and human health maintenance. Within each subject area, the course will delve into the basic theory, practical aspects of day-to-day operations, problem solving and lessons learned. The overall intent of this course is to give the student an in-depth understanding of the state-of-the-art in spacecraft operations that can be applied to future space systems.  

Learning Objectives: At the end of this course, students will have a broad background, an in-depth understanding, and some keen insights into how human spaceflight operations have been conducted, how the spacecraft systems work, what issues have arisen, and how challenges have been overcome. Regardless of their area of future specialization, this course will give students a solid foundation in spaceflight operations that will be a great asset for space related careers. In each section of the course, as outlined in the topics below, the student will learn the fundamental principles and the essence of how things operate in the actual space environment. This will be followed by real-life examples, issues, and stories that give special insight that can only come from the experts ‘who were there’. Communicating important lessons learned for future space engineers and operators is also an important objective of the course.  

Learning Outcomes:  
At the end of this course, students will be able to:  

a) plan human spaceflight mission operations of the launch, space, and ground segments.  
b) provide mission parameter specifications, design spacecraft subsystems, and conduct trade studies for human space missions.  
c) incorporate lessons learned from previous spaceflight experience into current and future mission operations and procedures.  
d) extrapolate the current operational concepts to future missions.
Method of Evaluation (Undergraduate Course):
Most topics above will include study material and related homework assignments. Working together on homework is acceptable but copying homework is not. Do your own work! Some homework assignments will be in the form of group project that will be performed partially during workshops in class. Attendance and participation is an essential part of the course. In lieu of a final exam there will be a final project worth 30% of the total grade. Grading percentages will be Homework 70%, Final Project 30%. Grading Policy: A 90 – 100%, B 80 – 89%, C 70 – 79%, D 60 – 69%, F below 60% (raw scores will be curved based on the performance of the class as a whole).

Method of Evaluation (Graduate Course):
Most topics below will include study material and related homework assignments. Working together on homework is acceptable but copying homework is not. Do your own work! Some homework assignments will be in the form of group project that will be performed partially during workshops in class. Graduate students will receive additional, more advanced problems on the homework, workshops, quizzes or final project when this course is stacked with the undergraduate course. Attendance and participation is an essential part of the course. In lieu of a final exam there will be a final project worth 30% of the total grade. Grading percentages will be Homework 70%, Final Project 30%. Grading Policy: A 90 – 100%, B 80 – 89%, C 70 – 79%, D 60 – 69%, F below 60% (raw scores will be curved based on the performance of the class as a whole).

Attendance and Make-up Policies:
This course is unique in that much of it will be taught by recognized experts in each field who will be coming as visiting lecturers from government and industry. Attendance is a vital component of the value of the course and full participation is expected. Late homework will not be accepted unless the absence is due to a University Excused Absence and the work is provided by a revised date specified by the instructor. If you have special circumstances, please contact one of the
instructors prior to your absence or have a friend submit your homework on time. You are responsible for any material covered and any assignments given even if absent from class. (University Student rule 7: [http://student-rules.tamu.edu/rule07](http://student-rules.tamu.edu/rule07)).

**Americans with Disabilities Act (ADA):**

**Notice:** The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Office of Disability Services, Division of Student Affairs, located at White Creek, 701 West Campus Blvd, 979-845-1637. For additional information, visit [http://disability.tamu.edu/contact](http://disability.tamu.edu/contact).
Texas A&M University

Departmental Request for a New Course

Undergraduate  □  Graduate  □  Professional

Submit original form and attach a course syllabus.

1. Course request type:
   - Undergraduate □  Graduate □  First Professional (DMD, MD, JD, PsyD, DVM)

2. Request submitted by (Department or Program Name):
   Department of Agricultural Leadership, Education, and Communications

3. Course prefix, number and complete title of course:
   AGCJ 411. Audience and Communications Research Methods

4. Catalog course description (not to exceed 50 words):
   A project-based course, focused on evaluating and implementing research designs and methods used in audience and communications research; data collection methods and strategies, include interviews, observations, focus groups, surveys, and content analyses; descriptive and comparative analyses will be used to develop data-driven personas and recommendations for engaging target audiences.

5. Prerequisite(s):
   Junior or senior classification
   Cross-listed with:
   Stacked with:
   Cross-listed courses require the signature of both department heads.

6. Is this a variable credit course? □ Yes  □ No
   If yes, from ________ to ________

7. Is this a repeatable course? □ Yes  □ No
   If yes, this course may be taken ________ times.
   □ No
   □ Yes  □ No

8. Will this course be submitted to the Core Curriculum Council?
   □ Yes  □ No

9. How will this course be graded?
   □ Grade  □ S/U  □ P/F (CLMD)

10. This course will be:
    a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)
       B.S. Agricultural Communications and Journalism; minor in International Agricultural Development
    b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)
       undergraduate general academics

11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.
   □ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

13. Prefix  Course #  Title (excluding punctuation)
   AGCJ  411  Audience & Comm Rsrch Methods

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<thead>
<tr>
<th>Lect.</th>
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</tbody>
</table>

   Approval recommended by:
   [Signature]

   Department Head or Program Chair (Type Name & Sign)  Date

   Department Head or Program Chair (Type Name & Sign)  Date
   (if cross-listed course)

   Submitted to Coordinating Board by:
   [Signature]

   Chair, GC or UCC
   Date

   Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu.
   Curricular Services – 07/14

   Received
   Curricular Services
AGCJ 411
Audience and Communications Research Methods

[Insert Semester]

Course Meeting Schedule
Lecture: Monday and Wednesday 1:10 – 2:00 (Lecture), and Friday 1:10 – 3:00 (Lab)
Required field data collection activities: College Station [Insert Date] and Austin [Insert Date]
Alternate meeting locations may be announced in class or by e-mail.

Instructor Information
Billy R. McKim, Ph.D., Assistant Professor
E-mail: brmckim@tamu.edu
Office: 267 AGLS
Office Phone: 979-845-0794
Office Hours: [Insert Days, Times, and Location]

Prerequisites
Junior or senior classification

Course Description
This is a project-based course, focused on evaluating and implementing various types of research designs used in audience and communications research. Field data collection methods and strategies, including interviews, observations, and face-to-face surveys will be emphasized. Other data collection strategies addressed in this course include content analysis, mail surveys, focus groups, and auditorium testing. Descriptive and comparative qualitative and quantitative analyses will be used to develop data-driven personas and recommendations for engaging target audiences. Students will participate in research activities that allow them to apply research methods and analyses guided by sociological, psychological, and/or anthropological theories.

Learning Outcomes
Upon successful completion of the course, students should be able to:

- List and discuss statistical and foundational issues that impact research on audience and communications topics.
- Discuss features and limitations of various sampling procedures and research methods.
- Perform simple calculations and statistical analysis.
- Represent simple data in the appropriate graphical form.
- Interpret statistical output in terms of the original research question.
- Do library research using print and online resources, as appropriate.
- Evaluate the content of research and popular press articles, and websites using the previous skills.
- Draw informed conclusions that reflect an understanding of multiple (and sometimes conflicting) sources of information.
- Communicate orally and in writing his or her knowledge, thoughts, and positions about scientific audience and communications issues.
Class Attendance
The University views class attendance as the responsibility of an individual student. Attendance is essential to complete the course successfully. University rules related to excused and unexcused absences are located on-line at http://student-rules.tamu.edu/rule07.

Make-up Policy
If an absence is excused, the instructor will either provide the student an opportunity to make up any quiz, exam or other work that contributes to the final grade or provide a satisfactory alternative by a date agreed upon by the student and instructor. If the instructor has a regularly scheduled make up exam, students are expected to attend unless they have a university approved excuse. The make-up work must be completed in a timeframe not to exceed 30 calendar days from the last day of the initial absence.

The student is responsible for providing satisfactory evidence to the instructor to substantiate the reason for the absence. Among the reasons absences are considered excused by the university are the following (see Student Rule 7 for details http://studentrules.tamu.edu/rule07). The fact that these are university-excused absences does not relieve the student of responsibility for prior notification and documentation. Failure to notify and/or document properly may result in an unexcused absence. Falsification of documentation is a violation of the Honor Code.

1) Participation in an activity that is required for a class and appears on the university authorized activity list at https://studentactivities.tamu.edu/app/sponsauth/index
2) Death or major illness in a student’s immediate family.
3) Illness of a dependent family member.
4) Participation in legal proceedings or administrative procedures that require a student’s presence.
5) Religious holy day.
   Note: Prior notification is NOT required.
6) Injury or illness that is too severe or contagious for the student to attend class.
   a. Injury or illness of three or more class days: Student will provide a medical confirmation note from his or her medical provider within one week of the last date of the absence (see Student Rules 7.1.6.1)
   b. Injury or illness of less than three class days: Student will provide one or both of these (at instructor’s discretion), within one week of the last date of the absence:
      i. Texas A&M University Explanatory Statement for Absence from Class form available at http://attendance.tamu.edu
      ii. Confirmation of visit to a health care professional affirming date and time of visit.
       Note: An absence for a non-acute medical service does not constitute an excused absence.
7) Required participation in military duties.
8) Mandatory admission interviews for professional or graduate school that cannot be rescheduled.
9) Mandatory participation as a student-athlete in NCAA-sanctioned competition.
10) In accordance with Title IX of the Educational Amendments of 1972, Texas A&M University shall treat pregnancy (childbirth, false pregnancy, termination of pregnancy and recovery therefrom) and related conditions as a justification for an excused absence for so long a period of time as is deemed medically necessary by the student’s physician. Requests for excused absence related to pregnancy should be directed to the instructor.
Other absences may be excused at the discretion of the instructor with prior notification and proper documentation. In cases where prior notification is not feasible (e.g., accident or emergency) the student must provide notification by the end of the second working day after the absence, including an explanation of why notice could not be sent prior to the class. Accommodations sought for absences due to the observance of a religious holiday can be sought either prior or after the absence, but not later than two working days after the absence.

Required Texts

Required Materials
(1) Black n' Red hardbound notebook—used only for this class. Available at local office supply stores

Grades
I do not believe grades are necessarily an accurate reflection of students' success. Nonetheless, grades are a requirement at Texas A&M University. All graded assignments in this course are noted in this syllabus; however, there will be several ungraded assignments you will be asked to complete throughout the semester. These assignments will facilitate the process of learning and, in most cases, when taken seriously, the assignments will help you succeed in this course. Therefore, I suggest you strive to turn in your best work for every assignment. Moreover, you will be responsible for keeping track of your progress. I will record your score for all graded assignments and provide you feedback where appropriate, but it is your responsibility to keep track of your standing in the class. If you need help understanding your progress, schedule an appointment, and I will help you.

Grade Requirements

<table>
<thead>
<tr>
<th>Points Range</th>
<th>Grade</th>
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<tbody>
<tr>
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<td>A</td>
</tr>
<tr>
<td>795 - 894</td>
<td>B</td>
</tr>
<tr>
<td>695 - 794</td>
<td>C</td>
</tr>
<tr>
<td>595 - 694</td>
<td>D</td>
</tr>
<tr>
<td>594 or fewer</td>
<td>F</td>
</tr>
</tbody>
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Graded Evaluation Activities (1,000 points – 100%)

<table>
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<tr>
<th>Assignments</th>
<th>Grade</th>
<th>Percent of Grade</th>
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<tr>
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<tr>
<td>Individual Assignments</td>
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<tr>
<td>Reflexive Journal</td>
<td>200</td>
<td>20%</td>
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<tr>
<td>Field Data Collection Activities and Reports</td>
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<td>10%</td>
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<tr>
<td>Audience Persona</td>
<td>250</td>
<td>25%</td>
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<tr>
<td>Weekly Activities (noted on schedule)</td>
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<td>15%</td>
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<tr>
<td>Group Assignments</td>
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<td></td>
</tr>
<tr>
<td>Audience Engagement Report and Presentation</td>
<td>300</td>
<td>30%</td>
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</table>

Notes.
1 No project-related data collection activities may be conducted until IRB training has been completed. You may not begin, participate in, or complete the group assignment until you have completed the training. Thus, if a student does not complete IRB training before September 20th, he or she will not be allowed to collect field data and will, therefore, receive a failing grade or “F” for the course.

2 Full participation in field data collection activities is necessary to pass this course—you will not be able to complete your assignments without attending.

3 Final group assignment grades will be weighted by group member evaluations.

Raw Score x Mean Group Rating = Final Group Assignment Grade

For example:

If the group received 130 points on their final white paper and the member received group member evaluation scores of 75, 80, 90, 80, and 85 (M = 82), the raw score (130) would be multiplied by the mean group rating (.82) to calculate the individual’s final white paper grade: 130 x .82 = 106.6.

Course Structure
This course is designed with adult learning in mind. I will often emphasize the process of learning as much as the content we are learning. Therefore, this class will use problem-based and collaborative learning, rather than solely relying on didactic learning. As the semester progresses, the structure of the class will move from more to less structure and from more to less direct supervision.

Adults learn at different rates and in different ways. Because you are an adult, I will make every effort to facilitate learning by applying Knowles’s adult learning principles:

- Adults are internally motivated and self-directed
- Adults bring life experiences and knowledge to learning experiences
- Adults are goal oriented
- Adults are relevancy oriented
- Adults are practical
- Adult learners like to be respected

Your success will depend on your ability to be mindful of deadlines, goal setting, and follow through. Procrastination and last minute cramming will not cut it. Furthermore, rote memorization of facts, definitions, lists, and formulas will not be enough for you to succeed in this class. You are expected to critically analyze, synthesize, and construct information rather than simply recalling it.
Assigned Reading
Completing the assigned reading will be necessary to succeed in this course. At a minimum, you should carefully skim and make note of key points. As you read, highlight, write in the margins, make outlines, note your disagreements with a source, draw diagrams to connect disparate facts, summarize sources, keep a list of questions, and record even random thoughts. When we meet for class, be sure to ask questions and share your thoughts, disagreements, and diagrams. I will seldom give you the answer, but I will help you find it. Much of the process of learning involves the process of asking the appropriate questions and seeking the most correct answers. Nothing will help you succeed in this class more than a drive to know more. Although it is cliché, there is some truth to the saying, knowledge is power. You should take advantage of every opportunity to learn something new.

While we are addressing clichés, there is no such thing as a dumb question. However, there are ill-prepared or poorly stated questions and questions that are asked at inopportune times. Nonetheless, we will learn together through open dialogue. Thus, the classroom must be a safe environment. Speak your mind, but do it in a respectful manner. We will make mistakes, but let's avoid making each other feel stupid in the process.

Revision Policy
Revisions are a reality in this course and will be expected. Revisions will only be accepted if an acceptable draft is submitted before the noted due date. Determination of acceptable is solely at the instructor's discretion.

Late Assignments
Late assignments will not be accepted, except in the case of a university excused absence.

Americans with Disabilities Act Policy Statement
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, in Cain Hall, Room B118, or call 845-1637. For additional information visit: http://disability.tamu.edu.

Academic Integrity Statement: and Policy
"An Aggie does not lie, cheat or steal, or tolerate those who do." For additional information, please visit: http://aggiehonor.tamu.edu.

Copyrights
Please note that all handouts and supplements used in this course are copyrighted. This includes all materials generated for this class, including but not limited to syllabi, exams, in-class materials, review sheets, and lecture outlines. Materials may be downloaded or photocopied for personal use only and may not be given or sold to other individuals.

Audio and Video Recording
Because free discussion and free exchange of ideas in the classroom may be inhibited through the use of recording devices by students, such devices may not be used in the classroom during class periods except, 1) when explicit prior permission of the instructor has been obtained and when no member of the class objects to their use; or 2) when
sensory or manual disabilities require that a student use a recording device. Students who require the use of recording devices because of disabilities should notify the instructor of the course or section prior to their use.

**Assignment Summaries**

Additional detailed assignment descriptions may be handed out in class to supplement these summaries.

**Reflexive Journal** (Black n’ Red notebook)
*(Final due: [Insert Date]*)

Beginning the first day of class, you will keep a handwritten reflexive journal. Each time you read an assignment, come to class, collect data, discuss research, or engage in research-based discussions, you will jot notes in your notebook. The Black n’ Red notebook is a hard-bound notebook on purpose. You should not worry about rewriting or tearing pages out. The purpose of the assignment is to document your thoughts, questions, experiences, and biases throughout this research process. Few assignments are as challenging, enlightening, and rewarding as keeping a class-based journal. It becomes a record of how your perceptions evolve over time. Recording reactions to the class and activities serves as an intellectual idea bank that may help you perform better in other course assignments. Writing makes us think and when we make it part of our regular routine we are enriched by it. The concept of a reflexive journal is explained in greater detail in Ortlipp (2008). You will need to draw on your reflexive notes to complete a data collection summary in each white paper. You are expected to note all data collection activities, including date, time, location, and procedures.

**Field Data Collection Activities**

Several of the assignments in this course require travel outside of scheduled class times and are often away from campus. Full participation in the field data collection is required to pass this course. During and after each field data collection activity, you are expected to document the process and outcomes of the data collection activity by jotting reflexive and reflective notes in your Black n’ Red notebook. Some field activities, including interviews and focus groups

**Audience Persona**
*(Draft due: [Insert Date]; Final due: [Insert Date]*)

You will work individually to analyze and interpret your field data, using Microsoft Excel and Microsoft Visio. Using the provided templates, follow the example and explanation in Chapter 6 of The Essential Persona Lifecycle, and ensure you address the topics outlined in each section. Referencing Presenting Data Effectively and using the provided Microsoft Word template to create a data summary to support your persona.

**Audience Engagement Report and Presentation**
*(Draft due: [Insert Date]; Final due: [Insert Date]*)

You will work in a group of four to six students to develop a case study similar to the one included in Appendix C of The Essential Persona Lifecycle. Your group’s perspectives report must include a summary of each persona (developed individually) in the audience, and map the similarities and differences among the personas. Your final report should provide communications professionals with specific guidelines describing how to reach and engage the audience as a whole and individually. Additionally, you will provide a logic-based rationale (claims, reasons, and evidence) to support each guideline you note in your report. Lastly, your group will develop a Microsoft PowerPoint presentation, and present a 15 minute presentation of your audience to the class. Your presentation and handouts must follow the visual presentation guidelines outline in Presenting Data Effectively.
Ungraded Assignments
Several ungraded assignments are noted in the schedule. These assignments are intended to help you systematically approach your projects and make satisfactory progress through the semester.

**IRB Training** (Complete before [Insert Date])
Complete the Texas A&M University, Office of Research Compliance, Institutional Review Board’s (IRB) Initial Training Course for Human Subjects Research (CITI) and present proof of successful completion to the instructor by the deadline.
CITI is a web-based ethics training course for those conducting research with human subjects.
Follow the steps below to sign up for the CITI Course:
- Go to www.citiprogram.org
- Select "New Users"
- Step 1: Participating Institutions: Texas A&M University
- Step 2: Create a username and password
- Step 3: Enter your name
- Step 4: Enter email address
- Complete contact information fields

1: Course in the Protection of Human Subjects: Select Group
2: Social and Behavioral Research for Investigators and Key Study Personnel
   - Skip 2. The CITI Lab Animal Welfare Course
   - Select "no" unless you are working with an additional university

**TENTATIVE SCHEDULE**
Social Research Methods (Bryman, 2012)
The Essential Persona Lifecycle (Adlin & Pruitt, 2010)
Weekly reading assignments should be completed **before the first class meeting of the week**.
Unless noted differently in this schedule, all assignments are due at the beginning of the first class meeting of the week.

<table>
<thead>
<tr>
<th>Week 1</th>
<th>Reflexive Journaling; Inductive vs. Deductive Logic; Informed Consent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Read:</td>
<td>Ortlipp, 2008; Watt, 2007</td>
</tr>
<tr>
<td></td>
<td>Social Research Methods: Ch. 1, Ch. 6.</td>
</tr>
<tr>
<td></td>
<td>The Essential Persona Lifecycle Ch. 1</td>
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<table>
<thead>
<tr>
<th>Week 2</th>
<th>Profiles and Personas; Qualitative research; Observations</th>
</tr>
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<tbody>
<tr>
<td>Read:</td>
<td>Social Research Methods: Ch. 17, Ch. 19</td>
</tr>
<tr>
<td></td>
<td>IRB Training Certificate (email .pdf to Dr. McKim)</td>
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</table>

<table>
<thead>
<tr>
<th>Week 3</th>
<th>Observations and Data Analyses</th>
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<tbody>
<tr>
<td>Read:</td>
<td>Social Research Methods: Ch. 24</td>
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<tr>
<td></td>
<td>The Essential Persona Lifecycle Ch. 2</td>
</tr>
<tr>
<td>Due:</td>
<td>Research Skills Worksheet – Observations</td>
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</table>

Page 7 of 9
<table>
<thead>
<tr>
<th>Week 4</th>
<th>Interviews and Data Analyses</th>
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<tbody>
<tr>
<td>Read:</td>
<td>Social Research Methods Ch. 20</td>
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<tr>
<td></td>
<td>The Essential Persona Lifecycle Ch. 4</td>
</tr>
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<td>Presenting Data Effectively Ch. 1</td>
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<tr>
<td>Due:</td>
<td>Research Skills Worksheet – Interviews</td>
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<table>
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<tr>
<th>Week 5</th>
<th>Qualitative Data Analysis Sheets; Sampling</th>
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<tr>
<td>Read:</td>
<td>Social Research Methods Ch. 24</td>
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<td>The Essential Persona Lifecycle Ch. 5</td>
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<td>Presenting Data Effectively Ch. 2</td>
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<td>Due:</td>
<td>Research Skills Worksheet – Qualitative Data Analysis</td>
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<table>
<thead>
<tr>
<th>Week 6</th>
<th>Focus Groups and Data Analyses</th>
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<tr>
<td>Read:</td>
<td>Social Research Methods Ch. 21</td>
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<tr>
<td></td>
<td>The Essential Persona Lifecycle Appendix B</td>
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<td>Presenting Data Effectively Ch. 3</td>
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<td>Due:</td>
<td>Research Skills Worksheet – Focus Groups</td>
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<table>
<thead>
<tr>
<th>Week 7</th>
<th>Data Analyses and Summary Reporting</th>
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<tbody>
<tr>
<td>Read:</td>
<td>Social Research Methods Ch. 29</td>
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<tr>
<td></td>
<td>The Essential Persona Lifecycle Appendix C</td>
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<td>Presenting Data Effectively Ch. 4, Ch. 6</td>
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<th>Week 8</th>
<th>Quantitative Research; Electronic Surveys (web and iPad)</th>
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<tr>
<td>Read:</td>
<td>Social Research Methods Ch. 7, Ch. 10, Ch. 11</td>
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<tr>
<td></td>
<td>Presenting Data Effectively Ch. 5</td>
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<tr>
<td>Due:</td>
<td>Research Skills Worksheet – Surveys</td>
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<table>
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<tr>
<th>Week 9</th>
<th>Surveys – Field Data Collection (iPad); Sampling</th>
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<tr>
<td>Read:</td>
<td>Social Research Methods Ch. 8</td>
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<tr>
<td>Due:</td>
<td>Research Skills Worksheet – Surveys</td>
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Monday, Classroom; Wednesday, MSC; Friday, Classroom

[Insert Location, Departure and Return Times]
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<th>Week 10</th>
<th>Surveys and Data Entry; Microsoft Excel</th>
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<td>Classroom</td>
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<tr>
<td>Read:</td>
<td>Social Research Methods Ch. 7, Ch. 9, Ch. 10</td>
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<tr>
<td>Due:</td>
<td>Research Skills Worksheet – Quantitative Data Analysis</td>
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<table>
<thead>
<tr>
<th>Week 11</th>
<th>Surveys Data Analyses; Microsoft Excel; EZ Analyze</th>
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<tr>
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<td>Classroom</td>
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<tr>
<td>Read:</td>
<td>From Google Classroom: EZ Analyze Summary</td>
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<tr>
<td>Due:</td>
<td>Research Skills Worksheet – Auditorium Testing</td>
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<table>
<thead>
<tr>
<th>Week 12</th>
<th>Auditorium Testing and Data Analyses</th>
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<tbody>
<tr>
<td></td>
<td>Monday, Classroom; auditorium tests (scheduled by each group); Friday, classroom</td>
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<table>
<thead>
<tr>
<th>Week 13</th>
<th>Microsoft Excel; Data driven personas</th>
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<tbody>
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<td></td>
<td>Classroom</td>
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<tr>
<td>Read:</td>
<td>From Google Classroom: Logic – Claims, Reasons, and Evidence</td>
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</table>

<table>
<thead>
<tr>
<th>Week 14</th>
<th>Microsoft Excel; Data driven personas; Presentations</th>
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</thead>
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<tr>
<td></td>
<td>Classroom</td>
</tr>
<tr>
<td>Read:</td>
<td>From Google Classroom: Editing Checklist; General Writing References; Citing APA Style</td>
</tr>
<tr>
<td>Due:</td>
<td>Research Skills Worksheets – Quantitative data coding sheet</td>
</tr>
</tbody>
</table>

**Note.** Final presentations will be scheduled during the final exam period. All final assignments due [Insert Date], before 5:00 p.m.

**References**


Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
• Submit original form and attach a course syllabus.

Form Instructions
1. Course request type: ☑ Undergraduate □ Graduate □ First Professional (DDS, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name): Department of Agricultural Leadership, Education, and Communications
3. Course prefix, number and complete title of course: AGSC 305 Management of Supervised Agricultural Experiences

4. Catalog course description (act to exceed 50 words):
Overview of supervised agricultural experiences (SAEs) and content that can be used in the secondary agricultural science program; engage all students in SAE programs; management practices for student SAE projects including record keeping and student reports.

5. Prerequisite(s):

<table>
<thead>
<tr>
<th>Junior or senior classification</th>
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<tbody>
<tr>
<td>Stacked with:</td>
</tr>
<tr>
<td>Cross-listed with:</td>
</tr>
</tbody>
</table>

Cross-listed courses require the signature of both department heads.

6. Is this a variable credit course? ☑ No
If yes, from _____ to _____
7. Is this a repeatable course? ☑ No
If yes, this course may be taken _____ times.

8. Will this course be repeated within the same semester? ☑ No

9. Will this course be submitted to the Core Curriculum Council? ☑ No
10. How will this course be graded? ☑ Grade
□ S/U □ P/F (CLMD)

11. This course will be:

a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)

b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

Agricultural science

12. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

13. Prefix | Course # | Title (excluding punctuation) |
-----------|----------|-----------------------------|
AGSC       | 305      | Mgmt of SAE Projects

<table>
<thead>
<tr>
<th>Lect.</th>
<th>Lab</th>
<th>Other</th>
<th>SCH</th>
<th>CIP and Fund Code</th>
<th>Admin. Unit</th>
<th>Acad. Year</th>
<th>FICE Code</th>
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</table>

Approval recommended by:

Tracy Rutherford
Department Head or Program Chair (Type Name & Sign) Date

Chair, College Review Committee

Dean of College

Submitted to Coordinating Board by:

Associate Director, Curricular Services

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu
Curricular Services – 07/14
Course Title & Number:
Management of Supervised Agricultural Experiences, AGSC 305

Prerequisite: Junior or Senior Classification

Term: Spring 2016

Class Time & Location: Online through eCampus (http://ecampus.tamu.edu)

Instructor Information

Name: Roger D. Hanagriff
Telephone number: 979-458-3391
Email address: rhanagriff@tamu.edu
Office hours: Monday & Wednesday 9 to 12 AM & by appointment via email request
Office location: Agriculture and Life Sciences Bldg., Rm. 242

Course Description
This course provides an overview of supervised agricultural experiences (SAEs) and content that can be used in the secondary agricultural science program to engage all students in SAE programs. This course also offers management practices for student SAE projects including record keeping and student reporting. This course will also outline grading rubrics for each type of SAE and how to assess student's projects. An additional aspect of this course is the value of SAE programs to the school and local community.

Learning Outcomes
Students will be able to (Assessed from related assignments):

- Identify all types of SAEs and develop lesson plans for use in secondary agricultural education programs (Assignments 1 and 4)
- Identify resources needed for SAE projects (Assignments 2 and 3)
- Demonstrate knowledge of financial management content related to SAE projects (research, entrepreneurship and exploratory) to improve financial literacy in agricultural education through development of planning documents (Assignments 5, 6, 7 and 8)
- Evaluate student SAE projects and communicate value to stakeholders (Assignments 9 and 10)
Textbook and/or Resource Material

1. Online resources from www.theaet.com
2. Online resources from www.exploresae.com
3. https://www.ffa.org/about/supervised-agricultural-experiences
4. https://www.ffa.org/about/agricultural-education
6. https://www.ffa.org/thecouncil/sae
7. Other materials posted on eCampus.

Grading Policies

Course grades will be based on the following areas and associated point values:

- Exams 1, 2, 3 - 300 pts (43%)
- Responding to weekly discussion forums in eCampus 100 pts (14%)
- SAE simulations & Assignments– 200 pts (29%)
- Final Exam – 100 pts (14%)
  Total course points = 700 points

Assignments can only be made up by prior to due date by a written agreement with the instructors approval. Grades will be based on points earned. A=700-627pts (90%), B=626-557pts (80%), C=556-487, D=486-417 (60%) and F <416 pts.

Late Assignments

All assignments are due by the date listed in the course outline unless otherwise noted. Assignment deadlines are strictly enforced. The ONLY reason late assignments will be accepted without penalty is following an excused absence (see the student rule handbook for a complete description). Students may turn in late work according to the university policy “student rules.” Otherwise 10% of the total possible points for any assignment turned in late will be deducted for every weekday it is late and will not be accepted for submission if it is more than one week late.. http://student-rules.tamu.edu/rule07

Course Outline

<table>
<thead>
<tr>
<th>Weeks</th>
<th>Topic information</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Course Syllabus and general overview– introduction to historical aspects of SAE programs, programmatic value and essential elements of an SAE. Basics of student SAE records. Student self-exploration of SAE programs</td>
</tr>
<tr>
<td>2</td>
<td>Essential Elements of an SAE &amp; Developing student SAE plans and reporting results. Assignment – developing SAE plans for Exploratory, Placement, Research and Entrepreneurship. <strong>Assignment #1</strong></td>
</tr>
<tr>
<td>3</td>
<td>Investment of time in an SAE and example projects. <strong>Assignment #2</strong></td>
</tr>
<tr>
<td>4</td>
<td>Investment of money in an SAE &amp; managing personal income/expenses <strong>Assignment #3</strong></td>
</tr>
</tbody>
</table>
Review of essential elements of an SAE, SAE planning, time and invested money in ag education—EXAM 1

5 Areas of Interest in SAE and connections to AFNR content and state standards Assignment #4

6 Example SAE Management of Exploratory SAEs and other related SAE projects. Assignment #5

7 Example SAE Management of Placement (paid and unpaid) SAE projects. Assignment #6

EXAM 2

9 Summary of Financial Management & Management of Research SAE projects Assignment #7

10 Managing entrepreneurship SAEs. Assignment managing business based projects

11 Managing entrepreneurship SAEs. Assignment managing market and breeding livestock projects and Reports Assignment #8

12 EXAM 3

13 Evaluating all SAE projects, student reporting and program reporting – Assignment develop semester SAE reporting Assignment #9

14 Stakeholders in agricultural education and the value of SAE projects – Using SAE reports and other values to develop a strategic program plan Assignment #10

Semester review – FINAL EXAM

The University Writing Center

Since this course requires several written assignments, you may want to take advantage of the University Writing Center to improve your writing skills as well as your assignments. The main objective of the UWC is to provide one-on-one consultations with a trained writing consultant. In consultations, we work with you to determine what you need. Want help getting started? Reading your assignment? Doing research or writing footnotes? Just an opinion on your draft? We will answer your questions regarding any part of the writing process. The UWC also sponsors an on-line writing lab (OWL) that allows you to send us parts of your paper (like the introduction) and a question (i.e., whether the thesis is clear). For a quick question during business hours, students can access the UWC through AOL and Yahoo! instant messaging services (the screen name for both is uwctamu) or by calling the Write Line at 979-845-2160.

Statement on Disabilities: The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information, visit http://disability.tamu.edu.

Aggie Honor Code: “An Aggie does not lie, cheat, or steal or tolerate those who do.” Upon accepting admission to Texas A&M University, a student immediately assumes a commitment to uphold the Honor
Code, to accept responsibility for learning, and to follow the philosophy and rules of the Honor System. Students will be required to state their commitment on examinations, research papers, and other academic work. Ignorance of the rules does not exclude any member of the TAMU community from the requirements or the processes of the Honor System. For additional information please visit: www.tamu.edu/aggiehonor/

Copyright:
Please note that all handouts and supplements used in this course are copyrighted. This includes all materials generated for this class, including but not limited to syllabi, exams, in-class materials, review sheets, and lecture outlines. Materials may be downloaded or photocopied for personal use only, and may not be given or sold to other individuals.

Plagiarism:
As commonly defined, plagiarism consists of passing off as one’s own the ideas, words, writings, etc., which belong to another. In accordance with this definition, you are committing plagiarism if you copy the work of another person and turn it in as your own, even if you have the permission of that person. Plagiarism is one of the worst academic sins, for the plagiarist destroys the trust among colleagues without which research cannot be safely communicated. If you have questions regarding plagiarism, please consult the latest issue of the Texas A&M University Student Rules, under the section “Scholastic Dishonesty.” You are also encouraged to discuss specific questions about whether a particular practice is plagiarism or not with your instructor.
Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
Submit original form and attach a course syllabus.

Form Instructions

1. Course request type: ☑ Undergraduate ☐ Graduate ☐ First Professional (DOS, MD, JD, PhamD, DVM)

2. Request submitted by (Department or Program Name): Department of Animal Science

3. Course prefix, number and complete title of course: ANSC 351 Current Issues in Animal Agriculture

4. Catalog course description (not to exceed 50 words): Prepare students to project a professional image and use communication skills to describe animal agriculture; converse about the strengths and weaknesses of animal agriculture.

5. Prerequisite(s): Junior or Senior classification

   Cross-listed with:   Stacked with: ANSC 651

   Cross-listed courses require the signature of both department heads.

6. Is this a variable credit course? ☑ No If yes, from _____ to ______

7. Is this a repeatable course? ☑ No If yes, this course may be taken ______ times.

   Will this course be repeated within the same semester? ☑ No

8. Will this course be submitted to the Core Curriculum Council? ☑ No

9. How will this course be graded? ☑ Grade ☐ S/U ☑ P/F (Clean)

10. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)
   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

College of Agriculture and Life Sciences

11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

12. ☑ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

13. Prefix | Course # | Title (excluding punctuation)
   --- | --- | ---
   ANSC | 351 | Current Issues in Animal Ag

<table>
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<th>Lect.</th>
<th>Lab</th>
<th>Other</th>
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<th>Admin. Unit</th>
<th>Acad. Year</th>
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Approval recommended by:

H. Russell Cross
Chair, College Review Committee

Mark Hussey
Dean of College

Submitted to Coordinating Board by:

Associate Director, Curricular Services

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu
Curricular Services – 07/14

[Handwritten signatures and dates]
ANSC 351  
CURRENT ISSUES IN ANIMAL AGRICULTURE  
Spring 20XX  

Professors:  
Gary C. Smith  
gary.smith@ag.tamu.edu  
210-913-8939  
Chris Kerth  
c-kerth@tamu.edu  
979-224-1707  
Dan Hale  
dhale@tamu.edu  
979-587-9245  
Ashley Arnold  
a.arnold@tamu.edu  
979-862-3643  

Meeting Time:  
Tue/Thurs  9:35-10:50 AM, KLCT 400  

Course Format:  
3 hours of lecture, 3 credits, stacked with ANSC 651  
Prerequisites:  
Junior or Senior classification  

Course Description:  
College graduates entering the workforce for the first time are expected to be knowledgeable of the technical subject-matter in their field. In addition, they should exhibit awareness and understanding of the concerns of some in the general public about specific elements of their profession. The field of animal agriculture has, of late, been a lightning rod for skeptics and critics with both real and inaccurately perceived criticisms of what, how and why certain things are done. This course is intended to prepare graduates to project a professional image while using their communication skills to describe animal agriculture and to discuss its strengths and weaknesses with others.  

Learning Outcomes:  
(1) Upon completion of this course students will be able to create and deliver referential and persuasive discussions of topics and issues currently relevant to animal agriculture. (2) Students will demonstrate: (a) analytical reading ability, critical thinking and library research skills, and (b) communication skills in written and spoken discourse.  

Conduction of Class:  
(1) The first class period will consist of introductory information (i.e., course objectives, the Synopsis, Source Citations, Oral Presentations, honesty, plagiarism, regular and final examinations, final grades, differences in expectations for ANSC 651 vs. ANSC 351 students, etc.). (2) Beginning with the second class period, a single “Current Issue” will be discussed each week (two class periods) or—occasionally—at a single class period. (3) At the beginning of the second and each subsequent regular class meeting, each student will submit to the professor a handwritten Synopsis comprised of three (ANSC 351 students) or five (ANSC 651) sentences. (4) The Synopsis will consist of a first sentence in which the student describes her/his position regarding the “Current Issue.” Students can take a positive, negative or neutral position on an individual “Current Issue” without jeopardizing their grade in the course. As an example, the first sentence might say, “The Current Issue is that some people believe that grazing animals should never be tethered to constrain their movements, but I believe there are circumstances in which tethering is appropriate.” (5) The second and third
(ANSC 351) and the second, third, fourth and fifth (ANSC 651) sentences of the Synopsis will consist of the best statements of fact that the student can construct—based on her/his research—to support her/his position regarding that “Current Issue.” Each of the statements must have a Source Citation. As an example, a supporting statement might be “John Doe (Ruminant Science, Volume 72, page 341, 2012) supports the use of tethering for producers on small-scale sheep operations that cannot afford to construct fences.” or “Jane Doe (Proceedings of the International Livestock Congress, page 27, January 8, 2013) believes tethers—properly constructed and deployed—are humane and do not create undue animal stress or pain.” Students may use as Source Citations: (a) Statements by scientists generally regarded as experts on the subject from Internet, newspaper, magazine, textbook, White Paper, or personal interview sources, and; (b) Results of studies from a scientific journal article, a Proceedings paper, or a review commissioned by a nonprofit organization (e.g., NCBA, USDA, ASI, NPPC, NTF, PETA, PEW, NCC, HSUS, etc.) (6) During each regular class period, as many as possible of the students in the class will make an Oral Presentation of his/her Synopsis—without use of any notes or visual aids. Other students and the professor will constructively critique the substance of the Synopsis and the delivery of the Oral Presentation.

Attendance and Makeup Policies: Regular class attendance is expected. Excused absences must be confirmed and include: (1) Participation in authorized University activity. (2) Confinement due to illness (statement signed by a physician is required). (3) Death in immediate family. (4) Participation in legal proceedings that require the student’s presence. (5) For additional information about the attendance and makeup policies, please refer to Student Rule 7 at http://student-rules.tamu.edu/rule07

Americans with Disabilities Act (ADA) Policy Statement: The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information, visit http://disability.tamu.edu. If an absence is excused, the instructor will either provide the student an opportunity to make up any quiz, exam or other work that contributes to the final grade or provide a satisfactory alternative by a date agreed upon by the student and instructor.

Academic Integrity Statement and Policy: “An Aggie does not lie, cheat, or steal; or tolerate those who do.”—Aggie Honor Code http://aggiehonor.tamu.edu

Honesty: According to the Texas A&M University Definitions of Academic Misconduct, plagiarism is the appropriation of another person’s ideas, processes, results or words without giving appropriate credit. You should credit your use of
anyone else’s words, graphic images, or ideas using standard citation styles. If I should determine that you have failed to properly credit sources or have used all or parts of a Synopsis written by someone else, I will turn in your work to the Aggie Honor System Office for adjudication.

Grading Procedure: Each student’s Synopsis, if submitted on time, will be evaluated by the professor and assigned a score of 10 points if “Satisfactory” or 5 points if “ Unsatisfactory”; no points will be given if the Synopsis is not submitted on time. The maximum possible sum of Synopsis scores will be 25 times 10 or 250 points but a perfect total score will be considered to be 200 points.

There will be three examinations (A, B, and Final); each will be worth 100 points.

Final Grades will be based on percentages of 500 total points (200 for Synopsis plus 300 for exams):

90% (450 or higher) = A
80% (400-449) = B
70% (350-399) = C
60% (300-349) = D
59% (299 or lower) = F.

Additional Expectations—ANSC 651 vs. ANSC 351: (a) Graduate Students (GS) will, as described above, be expected to provide twice as many Source Citations in each Synopsis. (b) GS will be called upon to give oral presentations more frequently than will Undergraduate Students (UGS). (c) GS enrolled for ANSC 651 credit will serve as advisors and tutors for UGS enrolled for ANSC 351 credit with regard to searching the scientific literature and delivering oral presentations. At the first class meeting, GS will provide their phone number or email address so UGS can seek assistance if, and as, needed.

Postscripts:
• A Fleishman-Hillard and The Motherhood.com survey (2013) revealed that “The primary sources for consumers obtaining information about food” (e.g., GMOs, pesticides, food safety, etc.) were: 39%, from trusted food and mom blogs; 31%, information from peers off-line; 24%, from the government, and; 17%, from physicians.

• “A university’s obligation is not to teach students what to think but to teach students how to think...
If students graduate with ears and minds closed, the university has failed both the student and society.”
(Source: Michael Bloomberg, Reader's Digest, October 2014)
<table>
<thead>
<tr>
<th>Week</th>
<th>Course Topics</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Introduction; Labeling Gluten-Free Food</td>
</tr>
<tr>
<td>2</td>
<td>Importance of Beef, Pork, or Lamb (Tues) and Poultry or Dairy Products (Thurs) in the Human Diet—choose one for each class period</td>
</tr>
<tr>
<td>3</td>
<td>Vegetarianism/Veganism; Food Security (USA and Globally)</td>
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<tr>
<td>4</td>
<td>Food Defense (relative to Bioterrorism); Food Waste In the USA</td>
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<tr>
<td>5</td>
<td>Sustainability of Livestock Production in the USA; Major Examination A</td>
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<tr>
<td>6</td>
<td>Microbiological Safety of US Food; Microbiological Safety of Imported Food</td>
</tr>
<tr>
<td>7</td>
<td>Chemical Safety of US Food; Chemical Safety of Imported Food</td>
</tr>
<tr>
<td>8</td>
<td>Comparative Food Safety of Conventional vs. Local or Natural (Tues) and vs. Organic or Grass-Fed (Thurs) Beef</td>
</tr>
<tr>
<td>9</td>
<td>Animal Well-Being in Production Settings (Tues) and in Loading/Hauling/Harvesting (Thurs)</td>
</tr>
<tr>
<td>10</td>
<td>Country-Of-Origin Labeling of Beef; Major Examination B</td>
</tr>
<tr>
<td>11</td>
<td>Is Global Warming a Result of Human Activity?; How Much of GHG Production Is a Result of Animal Production?</td>
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<tr>
<td>12</td>
<td>GMOs—GE In Animal/Plant Foods; GMOs—Cloning in Animal/Plant Foods</td>
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<tr>
<td>13</td>
<td>Antibiotics for Growth Promotion in Meat Animals; Causes of Antimicrobial Resistance in Human Pathogens</td>
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<tr>
<td>14</td>
<td>Use of Hormonal (Tues) or B-agonistic (Thurs) Growth Promotants in Meat Animals</td>
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<tr>
<td>15</td>
<td>Final Examination</td>
</tr>
</tbody>
</table>

Test Dates:
- Major Examination A: Week 5
- Major Examination B: Week 10
- Final Examination: Week 15
Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional

Form Instructions
• Submit original form and attach a course syllabus.

1. Course request type: ✔ Undergraduate  □ Graduate  □ First Professional (DO, MD, JD, PharmD, DVMD)

2. Request submitted by (Department or Program Name): INTERNATIONAL STUDIES

3. Course prefix, number and complete title of course:
ARAB 104 Intensive Beginning Arabic

4. Catalog course description (not to exceed 50 words):
Accelerated elementary language study, with oral, listening, reading, and writing practice. Equivalent to ARAB 101 and ARAB 102.

5. Prerequisite(s): None

6. Is this a variable credit course? □ Yes  ✔ No

7. Is this a repeatable course? □ Yes  ✔ No

8. Will this course be repeated within the same semester? □ Yes  □ No  ✔ No

9. How will this course be graded? ✔ Grade  □ S/U  □ P/F (CLMP)

10. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)

   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

12. ✔ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

13. Prefix  Course #  Title (excluding punctuation)
ARAB 104  Intensive Beginning Arabic

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<thead>
<tr>
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<th>Lab</th>
<th>Other</th>
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<th>Admin. Unit</th>
<th>Acad. Year</th>
<th>EICE Code</th>
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Approval recommended by:

Robert R. Shandley
Department Head or Program Chair (Type Name & Sign) Date

Chair, College Review Committee Date

Dean of College Date

Submitted to Coordinating Board by:

Chair, GC or UCC Date

Associate Director, Curricular Services

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 07/14

[RECEIVED]

CURRICULAR SERVICES
Department of International Studies

ARAB 104 Intensive Beginning Arabic

Dr. Salah Ayari
office: Academic 103B
phone: 845-2124 (INTS main office)
e-mail: ayari-s@tamu.edu
office hours: MW 2:00-5:00, or by appointment

Texas A&M University
Fall 2016
M-F 8:00-10:00
ACAD 123

Course description
Accelerated elementary language study, with oral, listening, reading, and writing practice. Equivalent to ARAB 101 and ARAB 102.

This course is designed for students who are highly motivated to gain fluency in Arabic. The course sets high expectations in listening, speaking, reading, writing and cultural skills through daily interactive classes and exposure to a wide variety of linguistic and cultural materials. Consistent progress towards the course expectations is expected and will be evaluated regularly and thoroughly through a variety of assessment tools as described in the grading policy below.

Learning outcomes:
Upon completion of this course, you will be able to perform the following activities in Arabic:
- Recognize and communicate the main ideas of beginning level Arabic texts, oral communications, and audio-visual material on concrete topics;
- Produce clear, detailed text in Arabic on a limited range of subjects;
- Employ different strategies to understand unfamiliar words;
- Describe socio-cultural issues in contemporary Arabic life.

Prerequisites
None.

A student enrolling for the first time in the Arabic program at Texas A&M and who has previously acquired knowledge of Arabic, whether acquired through high school study or cultural/family experience, and who has not received college credit for that language must take a placement exam to determine the appropriate course for her/his level of ability. Information regarding the placement exam, as well as who qualifies for it, is posted on the INTS website: http://internationalstudies.tamu.edu/html/placementexams.html. Dates and times can be found on marketplace.tamu.edu → Dept. of International Studies → Placement Exams. Questions can be directed to the appropriate academic advisor for International Studies, currently Nancy Neil (neil123@tamu.edu).

Required course materials

Students must check eCampus (ecampus.tamu.edu) and their TAMU email accounts daily for homework assignments, course announcements and resources.

Absences
Course attendance is required. After the third unexcused absence, 5 percentage points will be deducted from the final course grade for each additional unexcused absence. Arriving more than 15 minutes late for class will be considered as an absence, except in the case of university-approved excuse.

Please see http://student-rules.tamu.edu/rule07 for current policy on university-excused absences. For illness-or injury-related absences of fewer than three days, a note from a health care professional confirming date and time of
visit will be required in order to count the absence as university-excused; for absences of three days or more, the note must also contain the medical professional’s confirmation that absence from class was necessary (see Rule 7.1.6.1).

Grading scale
A=90-100%; B=80-89%; C=70-79%; D=60-69%; F=0-59%

Course grade
- Participation: 10%
- Homework: 15%
- Quizzes (10): 60%
- Final exam: 15%

Participation
Class participation is important and required. In each class session, you will be called upon to use vocabulary and grammatical structures in a variety of activities. You will also be asked to work in pairs or groups to perform certain language tasks, such as role playing.

Homework
There will be daily homework. Assignments with their due dates will be announced in class and posted to eCampus. You are expected to complete homework assignments before coming to class. Late homework will not be accepted, except in the case of university-approved excused absence.

Quizzes
There will be a total of 10 quizzes (most Fridays in the semester). Each quiz will cover part or all of the previously taught materials. Each quiz could include part or all of the following components: listening, speaking, reading and writing. Quizzes cannot be made up, except in the case of university-approved excused absence.

Final exam
The final exam will be comprehensive, covering materials taught during the entire semester. The exam will consist of speaking, listing, reading and writing exercises. The final exam cannot be made up, except in the case of university-approved excused absence.

Academic integrity
"An Aggie does not lie, cheat, or steal, or tolerate those who do." You are expected to be aware of the Aggie Honor Code and the Honor Council Rules and Procedures, stated at aggiehonors.tamu.edu.

Disabilities
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information, visit http://disability.tamu.edu.
## Calendar

<table>
<thead>
<tr>
<th>Week 1</th>
<th>Topics</th>
<th>Textbook</th>
<th>Assessments</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Greetings</td>
<td></td>
<td>Friday – Quiz :</td>
</tr>
<tr>
<td></td>
<td>Self-introduction</td>
<td></td>
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<tr>
<td></td>
<td>Asking and responding to basic questions</td>
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<td></td>
<td>Using polite expressions</td>
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<td></td>
<td>Counting to 10</td>
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<td></td>
<td>Introducing someone using pronouns</td>
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<tr>
<td></td>
<td>Understanding and following basic instructions</td>
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<tr>
<td></td>
<td>Writing own name</td>
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<tr>
<td></td>
<td>Writing first 12 letters of the Arabic alphabet</td>
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<table>
<thead>
<tr>
<th>Week 2</th>
<th>Topics</th>
<th>Textbook</th>
<th>Assessments</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Naming school items</td>
<td></td>
<td>Friday – Quiz 2</td>
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<tr>
<td></td>
<td>Talking about where you live</td>
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<td></td>
<td>Talking about what you study</td>
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<td></td>
<td>Talking about family and friends</td>
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<td></td>
<td>Using descriptive words (noun/adjective agreement)</td>
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<td></td>
<td>Differentiating between male and female nouns and adjectives</td>
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<td></td>
<td>Counting to 100</td>
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<td></td>
<td>Writing the whole alphabet and simple words</td>
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<td></td>
<td>Writing words with and without short vowels</td>
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<tr>
<th>Week 3</th>
<th>Topics</th>
<th>Textbook</th>
<th>Assessments</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Reading familiar and unfamiliar words</td>
<td></td>
<td>Friday – Quiz 3</td>
</tr>
<tr>
<td></td>
<td>Writing familiar and unfamiliar words</td>
<td></td>
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<tr>
<td></td>
<td>Naming things in a room (including furniture items)</td>
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<td></td>
<td>Using the plural forms</td>
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<td></td>
<td>Counting by hundreds</td>
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<tr>
<td></td>
<td>Naming days of the week</td>
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<tr>
<td></td>
<td>Using verbs in the present tense with different subjects</td>
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<tr>
<th>Week 4</th>
<th>Topics</th>
<th>Textbook</th>
<th>Assessments</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Listen to the story of Maha</td>
<td></td>
<td>Friday – Quiz 4</td>
</tr>
<tr>
<td></td>
<td>Culture: About the Arabic names</td>
<td></td>
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<tr>
<td></td>
<td>Do the vocabulary exercises</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Talk about your family</td>
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<tr>
<td></td>
<td>Write about your family</td>
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<tr>
<td></td>
<td>The definite article</td>
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<td></td>
<td>The Nisba Adjectives</td>
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<tr>
<td></td>
<td>Reading for fluency and comprehension (page 18)</td>
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<tr>
<th>Week 5</th>
<th>Topics</th>
<th>Textbook</th>
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<tbody>
<tr>
<td></td>
<td>Listening to the story</td>
<td></td>
<td>Friday – Quiz 5</td>
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<tr>
<td></td>
<td>Do the vocabulary exercises</td>
<td></td>
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<tr>
<td></td>
<td>More about your family</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Reading for fluency and comprehension (page 37)</td>
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<tr>
<th>Week 6</th>
<th>Topics</th>
<th>Textbook</th>
<th>Assessments</th>
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<tbody>
<tr>
<td></td>
<td>Listening to the stories</td>
<td></td>
<td>Friday – Quiz 6</td>
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<tr>
<td></td>
<td>Do the vocabulary exercises</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>More details about your family</td>
<td></td>
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<tr>
<td></td>
<td>Types of plural: جمع المعونات السالم، المذكر السالم وجمع التكسير</td>
<td></td>
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<td></td>
<td>Verb conjugation (present tense)</td>
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<tr>
<td></td>
<td>Reading for fluency and comprehension (page 62)</td>
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</table>
| Week 7 | Listening to the stories  
Naming foods and drinks  
Learning about Arabic food  
What kinds of food and drink do you like?  
Reading from a food menu in Arabic  
New verbs and verb conjugation  
Verbal nouns (verb patterns)  
object pronouns  
Nominal and verbal sentences  
الإسماء  
Reading about Maha’s friend (page 89) | كيف أحفظ كل هذه الأسماء؟ | Friday – Quiz 7 |
|---|---|---|---|
| Week 8 | Listening to the stories  
Naming seasons of the year  
Describing the weather  
Giving personal opinion  
Giving reason/justification | التعبير بالفعال  
أمور في الصيف  
المثل (استمتع بالحياة)  
الكوارث  
الإسماء  
Reading for fluency and comprehension (page 111) | Lesson 5  
الطقس حار جدا في الصيف  |
| Week 9 | Definite and indefinite phrases and sentences  
Adverbs  
القرور  
Listening to a song  
Reading for fluency and comprehension (page 111) | Lesson 6  
سعود يكتب النجرا (استمتع بالحياة)  | Friday – Quiz 8 |
| Week 10 | Self-introduction and review  
Listening to Khalid’s story  
Describing majors  
Days of the week | Lesson 7  
(الله يرحمها)  | Friday – Quiz 9 |
| Week 11 | Describing hobbies – الهوايات  
Comparing hobbies in Egypt and hobbies in the US  
Grammar: The dual (المثنى) and the verbal noun (المصدر)  
Giving reason ل - لأن - بسبب  
Reading the stories on pages 131 and 133 for fluency and comprehension | Lesson 8  
الطيف  | Friday – Quiz 10 |
| Week 12 | Listening to Khalid’s story  
Listening to Maha’s friend  
Describing personality traits  
Comparing and contrasting | Lesson 9  
(الله يرحمها)  | |
| Week 13 | Describing past actions:  
Sentence structure  
الجملة الإسمية  
Reading for fluency and comprehension and  
Writing: describing personality traits of your family members | Lesson 10  
(الله يرحمها)  | |
| Week 14 | Review and prepare for Final exam | | |

**Final Exam:** To be given on date/time set by Registrar for classes meeting MWF 8:00-9:00.
Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
• Submit original form and attach a course syllabus.

Form Instructions
1. Course request type: ☑ Undergraduate ☐ Graduate ☐ First Professional (DDS, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name): INTERNATIONAL STUDIES
3. Course prefix, number and complete title of course: ARAB 204 Intensive Intermediate Arabic
4. Catalog course description (not to exceed 50 words):
   Accelerated intermediate language study, with oral, listening, reading, and writing practice. Equivalent to ARAE 201 and ARAB 202.

5. Prerequisite(s):
   ARAB 102 or ARAB 104.

6. Is this a variable credit course? ☐ Yes ☑ No If yes, from ________ to ________
7. Is this a repeatable course? ☐ Yes ☑ No If yes, this course may be taken ________ times.
   Will this course be repeated within the same semester? ☐ Yes ☐ No
8. Will this course be submitted to the Core Curriculum Council? ☐ Yes ☑ No
9. How will this course be graded? ☑ Grade ☐ S/U ☐ P/F (CLMS)
10. This course will be:
    a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)
    b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)
       B.A. in International Studies; Minor in Arabic Studies; undergraduate general academics
11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.
12. ☑ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

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<tr>
<th>Prefix</th>
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<td>ARAB</td>
<td>204</td>
<td>Intensive Intermediate Arabic</td>
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<th>Lab</th>
<th>Other</th>
<th>SCH</th>
<th>CIP and Fund Code</th>
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</tbody>
</table>

Approval recommended by:
Robert R. Shandley
Department Head or Program Chair (Type Name & Sign) Date
Chair, College Review Committee Date
Dean of College Date

Submitted to Coordinating Board by:
Associate Director, Curricular Services Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services - 07/14
Course description
Accelerated intermediate language study, with oral, listening, reading, and writing practice. Equivalent to ARAB 201 and ARAB 202.

This course is designed to bring student proficiency in Arabic language to intermediate level. Focusing primarily on Modern Standard Arabic with some exposure to the Moroccan and Egyptian dialects, the course seeks to increase proficiency in listening comprehension, speaking, reading and writing to allow students to handle different social situations with greater accuracy and confidence. The course also seeks to enhance awareness about cultural practices, products and perspectives common in Arabic-speaking countries through a wide range of authentic materials and a variety of activities and projects.

Learning outcomes:
Upon completion of this course, you will be able to perform the following activities in Arabic:
- Recognize and communicate the main ideas of intermediate level Arabic texts, oral communications, and audio-visual material on concrete topics;
- Produce clear, detailed text in Arabic on a wide range of subjects;
- Employ different strategies to understand unfamiliar words;
- Describe socio-cultural issues in contemporary Arabic life.

Prerequisites
ARAB 102 or ARAB 104.

A student enrolling for the first time in the Arabic program at Texas A&M and who has previously acquired knowledge of Arabic, whether acquired through high school study or cultural/family experience, and who has not received college credit for that language must take a placement exam to determine the appropriate course for her/his level of ability. Information regarding the placement exam, as well as who qualifies for it, is posted on the INTS website: http://internationalstudies.tamu.edu/html/placementexams.html. Dates and times can be found on marketplace.tamu.edu -> Dept. of International Studies -> Placement Exams. Questions can be directed to the appropriate academic advisor for International Studies, currently Nancy Neil (neil123@tamu.edu).

Required course materials
- The Hans Wet Dictionary of Modern Written Arabic, Spoken Language Services, Inc.

Students must check ecampus.tamu.edu and their TAMU email accounts daily for homework assignments, course announcements and resources.

Absences
Course attendance is required. After the third unexcused absence, 5 percentage points will be deducted from the final course grade for each additional unexcused absence. Arriving more than 15 minutes late for class will be considered as an absence, except in the case of university-approved excuse. Please see http://student-rules.tamu.edu/rule07 for current policy on university-excused absences. For illness- or injury-related absences of fewer than three days, a note from a health care professional confirming date and time of visit will be required in order to count the absence as university-excused; for absences of three days or more, the
note must also contain the medical professional’s confirmation that absence from class was necessary (see Rule 7.1.6.1).

Grading scale
A=90-100%; B=80-89%; C=70-79%; D=60-69%; F=0-59%

Course grade
- Participation: 10%
- Homework: 15%
- Quizzes (10): 60%
- Final exam: 15%

Participation
Class participation is important and required. In each class session, you will be called upon to use vocabulary and grammatical structures in a variety of activities. You will also be asked to work in pairs or groups to perform certain language tasks, such as role playing.

Homework
There will be daily homework. Assignments with their due dates will be announced in class and posted to eCampus. You are expected to complete homework assignments before coming to class. Late homework will not be accepted, except in the case of university-approved excused absence.

Quizzes
There will be a total of 10 quizzes (most Fridays in the semester). Each quiz will cover part or all of the previously taught materials. Each quiz could include part or all of the following components: listening, speaking, reading and writing. Quizzes cannot be made up, except in the case of university-approved excused absence.

Final exam
The final exam will be comprehensive, covering materials taught during the entire semester. The exam will consist of speaking, listing, reading and writing exercises. The final exam cannot be made up, except in the case of university-approved excused absence.

Academic integrity
"An Aggie does not lie, cheat, or steal, or tolerate those who do." You are expected to be aware of the Aggie Honor Code and the Honor Council Rules and Procedures, stated at aggiehonors.tamu.edu.

Disabilities
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information, visit http://disability.tamu.edu.

* * *
## Class Schedule

<table>
<thead>
<tr>
<th>Week 1</th>
<th>Topics</th>
<th>Textbook</th>
<th>Assessments</th>
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</thead>
<tbody>
<tr>
<td>Week 1</td>
<td>Understanding the story المكتشف للتجارة</td>
<td>Review Khalid’s stories from Lessons 6 &amp; 7</td>
<td>Friday – Quiz 1</td>
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<tr>
<td></td>
<td>Expressing opinion في رأيي</td>
<td>(المستقبل للتجارة) Lesson 8</td>
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<tr>
<td></td>
<td>Recounting past events النهاية المناسبة</td>
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<td></td>
<td>Giving reasons لأن - بسب - لك</td>
<td>إذا نجحت ... - سأعمل في</td>
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<td></td>
<td>Grammar: Conditional (if ... then)</td>
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<thead>
<tr>
<th>Week 2</th>
<th>Topics</th>
<th>Textbook</th>
<th>Assessments</th>
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<tbody>
<tr>
<td>Week 2</td>
<td>Word roots (how to generate different words from the root)</td>
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<td>Friday – Quiz 2</td>
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<tr>
<td></td>
<td>Using Arabic dictionary to look up unfamiliar words</td>
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<td></td>
<td>Maximizing word comprehension based on the root system</td>
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<td></td>
<td>Writing: Describing a picture story</td>
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<td>Writing: Filling out an application form</td>
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<tr>
<td></td>
<td>Reading for fluency and comprehension (page 178)</td>
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<thead>
<tr>
<th>Week 3</th>
<th>Topics</th>
<th>Textbook</th>
<th>Assessments</th>
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<tbody>
<tr>
<td>Week 3</td>
<td>Understanding the story</td>
<td>جدتي توقفني في السادسة والنصف (Lesson 9)</td>
<td>Friday – Quiz 3</td>
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<td>Eating with family: relating cultural practices to perspectives</td>
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<td>Expressing respect to elders (ثم - بع - قبل)</td>
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<td>Describing daily activities</td>
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<td>Using words of sequence (مدينة المنحلة - هوائي المنحلة)</td>
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<td>Expressing preference (أولاً - ثانياً - ثالثاً)</td>
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<thead>
<tr>
<th>Week 4</th>
<th>Topics</th>
<th>Textbook</th>
<th>Assessments</th>
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</thead>
<tbody>
<tr>
<td>Week 4</td>
<td>Ordinal numbers ...</td>
<td>غيط العائلة (Lesson 10)</td>
<td>Friday – Quiz 4</td>
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<td></td>
<td>Telling time</td>
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<td></td>
<td>Reading about Arabic TV programs</td>
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<td></td>
<td>Listening to video clips (TV program headlines)</td>
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<td></td>
<td>Listening to Sami’s story (Khalid’s brother)</td>
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<td></td>
<td>Reading for fluency and comprehension (page 197)</td>
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<td>Writing about your daily schedule</td>
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<th>Week 5</th>
<th>Topics</th>
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<th>Assessments</th>
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<tbody>
<tr>
<td>Week 5</td>
<td>Understanding Khalid’s story</td>
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<td>Friday – Quiz 5</td>
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<tr>
<td></td>
<td>What days of the week are holidays in Egypt</td>
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<td></td>
<td>What do people do on Friday?</td>
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<td></td>
<td>Describing daily activities</td>
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<td>Family time: Relating cultural practices to perspectives</td>
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<td>Friday prayer (when and how)</td>
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<tr>
<th>Week 6</th>
<th>Topics</th>
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<th>Assessments</th>
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<tbody>
<tr>
<td>Week 6</td>
<td>Weekend activities (compare Egypt with the US)</td>
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<td>Friday – Quiz 6</td>
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<tr>
<td></td>
<td>Grammar: Conjugating verbs (نام - جاء - صحا - )</td>
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<tr>
<td></td>
<td>More on verbal nouns</td>
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<td></td>
<td>المضارع المُتَحَرَّك</td>
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<td></td>
<td>Combining the prepositions</td>
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<td>إلى - على with pronouns</td>
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<td></td>
<td>(إليه - ليك - علينا ...</td>
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<td>ضمائر النصب: ساعدي - ساعدها</td>
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<td></td>
<td>Read fluency and comprehension</td>
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<td>في القاهرة</td>
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<th>Week 7</th>
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<tbody>
<tr>
<td>Week 7</td>
<td>Understanding Khalid’s story</td>
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<td></td>
<td>Reviewing different academic majors</td>
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<td></td>
<td>Expressing feelings and emotions</td>
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<td></td>
<td>Describing personality</td>
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<td>Getting engaged: what matters most</td>
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<td>Week 8</td>
<td>Grammar: The descriptive sentence المضارع المرفع Quantifiers (كل - بعض - معظم - عدة) Listening to the story of Khalid's friend Dreams and ambitions of a young Egyptian man Reading for fluency and comprehension (page 244)</td>
<td>Friday – Quiz 7</td>
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<td>Week 9</td>
<td>Understanding an immigrant’s perspective: why do some students stay in America? Talking about your future plans Grammar: Verbal and nominal sentences Verb conjugation زار - زار Expressing preference – the superlative Talking about past and present tense</td>
<td>Lesson 12 (حاضر)</td>
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<tr>
<td>Week 10</td>
<td>Using the negative forms (ليس - لا - لإن) The role of the eldest son in the family: relating practices to perspectives Listening to a song (فيروز) Writing activity (picture story – page 265) Reading for fluency and comprehension (p. 266)</td>
<td>Friday – Quiz 8</td>
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<tr>
<td>Week 11</td>
<td>Expressing opinions and giving reasons Traveling overseas to study and to work Feeling horne sick Traditional and modern marriage The role of the family in marriage decision Verbs with أن إلا أن</td>
<td>Lesson 13 (في أمريكا؟)</td>
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<tr>
<td>Week 12</td>
<td>The verb مازال The verbs انتهى - ظل المضارع المجزوم يـ لم Negating the past tense with reading for fluency and comprehension (pages 287, 288 and 292) Writing a letter (using formulaic expressions) – page 289</td>
<td>Friday – Quiz 9</td>
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<tr>
<td>Week 13</td>
<td>Listen to the story Describing a residence Describing location Grammar: using prepositions Using the Internet to search for a furnished apartment in different Arab cities The feminine ابنة الاسماء الإضافة أرزان للعمل</td>
<td>Lesson 14 (البيت)</td>
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<tr>
<td>Week 14</td>
<td>Review and prepare for Final exam</td>
<td>Friday – Quiz 10</td>
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**Final Exam:** To be given on date/time set by Registrar for classes meeting MWF 8:00-9:00.
Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
Submit original form and attach a course syllabus.

Form Instructions:
1. Course request type:  ✔ Undergraduate  ☐ Graduate  ☐ First Professional (DDS MD JD PharmD DVM)
2. Request submitted by (Department or Program Name): Department of Architecture
3. Course prefix, number and complete title of course: ARCH 281 - Seminar in Contemporary Architecture
4. Catalog course description (not to exceed 50 words):
   Presentations by and discussions with professionals representing specialty areas related to environmental design through the Department of Architecture Lecture Series.

5. Prerequisite(s):  none
   Cross-listed with:
   Stacked with:
   Cross-listed courses require the signature of both department heads.

6. Is this a variable credit course?  ☐ Yes  ✔ No  If yes, from ______ to ______
7. Is this a repeatable course?  ✔ Yes  ☐ No  If yes, this course may be taken 4 times.
   Will this course be repeated within the same semester?  ☐ Yes  ✔ No
8. Will this course be submitted to the Core Curriculum Council?  ☐ Yes  ✔ No
9. How will this course be graded?  ✔ Grade  ☐ S/U  ☐ P/F (CLMD)
10. This course will be:
    a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)
       Environmental Design Architectural Studies (EDAS)
    b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.
12. ✔ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://or.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).
13. Prefix  Course  Title (excluding punctuation)
    ARCH  281  Seminar in Contemp Arch
    Lect.  Lab  Other  SCH  CIP and Fund Code  Admin. Unit  Acad. Year  HCE Code
    1.00  0.00  0.00  1.00  040210006  0290  16 - 17  0 0 3 6 3 2
    Approval recommended by:
    Ward V. Wells  Date
    Chair, College Review Committee
    Leslie Feigenbaum  Date
    Dean of College
    Leslie Feigenbaum  Date
    Submitted to Coordinating Board by:
    Chair, GC or UCC  Date
    Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu
Curricular Services – 07/14
Course title and number  ARCH 281 – Seminar. Contemporary Topic in Architecture: The Department of Architecture Lecture Series
Term  Fall 2015
Meeting times and location  Monday 5:45 pm– 6:35 pm ARCC 305. The Department of Architecture Lecture Series will be held in Geren Auditorium or other designated lecture hall.

Course Description and Prerequisites
Presentations by and discussions with professionals representing specialty areas related to environmental design through the Department of Architecture Lecture Series. May be repeated for up to 4 credit hours.
Prerequisite: None

A diverse group of professionals present topics of interest to individuals throughout the University. Many of the lectures have relevance to students in the Department of Architecture. Students in this class will be exposed to experts in a variety of fields who will provide information relevant to the constantly changing arena of architecture. This course will enable students to better adopt a professional, broad focus on architecture and design. Students will be exposed to contemporary topics in architecture and will be able to articulate a position on issues related to architectural design.

Learning Outcomes

- Students will be able to analyze and synthesize information from diverse perspectives.
- Students will be able to understand and interpret information so as to create innovative relationships capable of being applied to multiple contexts.
- Students will be able to articulate a position on issues related to the lectures.

Instructor Information

Name  Shelley D. Holliday
Telephone number  979.845.7885
Email address  shclliday@tamu.edu
Office hours  Monday 9:00 am – 10:00 am
Office Location  Friday 9:00 am – 10:00 am
Largford Building A, Office 418

Textbook and/or Resource Material

None required

Grading Policies

Students should refer to the Academic section in Student Rules and Regulations
http://student-rules.tamu.edu

≥ 70% = Satisfactory
< 70% = Unsatisfactory
All work will be project based. Including, but not limited to posters, questions, discussions, presentations, and written work.

**50 points maximum - The Department of Architecture Lecture Series**
Attendance at the seven scheduled Department of Architecture lectures is required. An attendance sheet will be available at each Department of Architecture lecture. Absent a University excused absence, failure to attend and sign the attendance sheet will result in 0 points for that lecture. Absent a University excused absence, failure to turn in the specific assignment for that lecture within one week of the lecture will result in 0 points for that lecture.

**20 points maximum – Poster**
Each student will select a speaker of their choice (first come first serve) and will be responsible for creating a poster advertising the upcoming lecture. The design must be completed and approved by the instructor one week prior to the lecture. The poster must be displayed in various locations around Langford on the Tuesday before the lecture and must be taken down on Monday after the lecture has concluded.

**30 points maximum – Questions**
Each student will be responsible for generating two questions concerning the speaker’s topic for each lecture series. Questions must be sent to the instructor via email by 8:00 pm the Sunday before the lecture.

**40 points maximum - Lectures Outside the Department of Architecture**
Attendance at three lectures other than those given or sponsored by the Department of Architecture is required.

**20 points maximum – Lecture Notes**
A maximum of 6.67 points will be given for each attendance with lecture notes. Absent a University excused absence, failure to turn in lecture notes by the deadline dates on the schedule will result in 0 points for that lecture.

**20 points maximum – Class Presentations**
Each student will be responsible for a short presentation on their favorite Lecture that occurred outside the department.

**10 points maximum – The College of Architecture Research Symposium & Rowlett Lecture**
Attendance at the College of Architecture Research Symposium & Rowlett Lecture is required. Absent a University excused absence, failure to turn in lecture notes within one week of the lecture date will result in 0 points for that lecture.

**5 points maximum – Attendance at and notes for a minimum of two lectures at The College of Architecture Research Symposium**

**5 points maximum – Attendance and notes at the Rowlett Lecture**

**Attendance and Make-up Policies**
The University views class attendance as the responsibility of an individual student. Attendance is essential to complete the course successfully. University rules related to excused and unexcused absences are located online at [http://student-rules.tamu.edu/rule07](http://student-rules.tamu.edu/rule07).

Project due dates will be provided in the class schedule. Students should contact the instructor if work is turned in late due to an absence that is excused under the University's attendance policy. In such cases the instructor will either provide the student an opportunity to make up any quiz, exam or other graded activities or provide a satisfactory alternative to be completed within 30 calendar days from the last day of the absence. There will be no opportunity for students to make up work missed because of an unexcused absence.
Course Topics, Calendar of Activities, Major Assignment Dates

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
<th>Assignment</th>
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<tbody>
<tr>
<td>01. 08/31</td>
<td>Course Introduction</td>
<td>Submit questions by 8:00 pm on 09/06</td>
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<tr>
<td>02. 09/07</td>
<td>Ronny Eckels 5:45 pm Geren Auditorium</td>
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<tr>
<td>03. 09/14</td>
<td>Lecture Outside the Department</td>
<td>Meet to discuss outside the outside department lectures in ARCC 305.</td>
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<tr>
<td>04. 09/21</td>
<td>Lecture Outside the Department</td>
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<td>05. 09/28</td>
<td>Lecture Outside the Department</td>
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<tr>
<td>06. 10/05</td>
<td>Matias Del Campo- University of Michigan, 5:45 pm Geren Auditorium</td>
<td>Submit questions by 8:00 pm on 10/04</td>
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<tr>
<td>07. 10/12</td>
<td>Keith + Marie Zawistowski- Virginia Tech, 5:45 Geren Auditorium</td>
<td>Submit questions by 8:00 pm on 10/11</td>
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<tr>
<td>08. 10/19</td>
<td>Research Symposium</td>
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<tr>
<td>10/23</td>
<td>Rowlett Lecture</td>
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<tr>
<td>09. 10/26</td>
<td>Kevin Alter- Alter Studio, Austin, 5:45 pm Geren Auditorium</td>
<td>Submit questions by 8:00 pm on 10/25</td>
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<tr>
<td>10. 11/02</td>
<td>Todd Gannon- Sciarc, 5:45 pm Geren Auditorium</td>
<td>Submit questions by 8:00 pm on 11/01</td>
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<tr>
<td>11. 11/09</td>
<td>Bob Borson. Maxwell Borson Architects, 5:45 Geren Auditorium</td>
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<tr>
<td>12. 11/16</td>
<td>Andrew Colopy- Rice University, 5:45 pm Geren Auditorium</td>
<td>-Submit questions by 8:00 pm on 11/15 for Andrew Colopy</td>
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<td>-Submit three outside department lecture notes by 8:00 pm on 11/16</td>
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<td>-Submit digital presentation by 8:00 pm on 11/16.</td>
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<tr>
<td>14. 11/30</td>
<td>Presentations of Outside Lectures</td>
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</table>

Other Pertinent Course Information

**Americans with Disabilities Act (ADA)**

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information visit [http://disability.tamu.edu](http://disability.tamu.edu).

**Academic Integrity**

For additional information please visit: [http://aggiehonor.tamu.edu](http://aggiehonor.tamu.edu)

"An Aggie does not lie, cheat or steal, or tolerate those who do."
Care of Facilities

The use of spray paint, spray adhesive or other surface-altering materials is not permitted in the Langford Complex except in designated zones. Students who violate this rule will be liable for the expenses associated with repairing damaged building finishes and surfaces. At the end of the semester, your area must be clean of all trash.

No power tools may be used in the design studio, no dust or odor producing processes may be conducted in the studio, no wet casting processes may be conducted in the studio, the college shop and spray booth facilities must be used for the above mentioned processes. Professional behavior and conduct is expected of each student.

All studio desks must be covered. In addition students must have at minimum an 18” x 24” cutting mat at their desk.

Studio Policy (required of all studios)

All students, faculty, administration and staff of the Department of Architecture at Texas A&M University are dedicated to the principle that the Design Studio is the central component of an effective education in architecture. They are equally dedicated to the belief that students and faculty must lead balanced lives and use time wisely, including time outside the design studio, to gain from all aspects of a university education and world experiences. They also believe that design is the integration of many parts, that process is as important as product, and that the act of design and of professional practice is inherently interdisciplinary, requiring active and respectful collaboration with others.

Students and faculty in every design studio will embody the fundamental values of optimism, respect, sharing, engagement, and innovation. Every design studio will therefore encourage the rigorous exploration of ideas, diverse viewpoints, and the integration of all aspects of architecture (practical, theoretical, scientific, spiritual, and artistic), by providing a safe and supportive environment for thoughtful innovation. Every design studio will increase skills in professional communication, through drawing, modeling, writing and speaking.

Every design studio will, as part of the syllabus introduced at the start of each class, include a clear statement on time management, and recognition of the critical importance of academic and personal growth, inside and outside the studio environment. As such it will be expected that faculty members and students devote quality time to studio activities, while respecting the need to attend to the broad spectrum of the academic life. Every design studio will establish opportunities for timely and effective review of both process and products. Studio reviews will include student and faculty peer review. Where external reviewers are introduced, the design studio instructor will ensure that the visitors are aware of the Studio Culture Statement and recognize that the design critique is an integral part of the learning experience. The design studio will be recognized as place for open communication and movement, while respecting the needs of others, and of the facilities.

Important Links Below

Department of Architecture Website
Department Financial Assistance
Academic Calendar
Final Exam Schedule Online
On-Line Catalog
Student Rules
Aggie Honor System Office
American Institute of Architecture website

http://dept.arch.tamu.edu/
http://dept.arch.tamu.edu/financial-assistance/
http://registrar.tamu.edu/general/calendar.aspx
http://registrar.tamu.edu/Courses-Registration-Scheduling/Final-Exam-Schedule
http://catalog.tamu.edu
http://student-rules.tamu.edu/
http://aggiehonor.tamu.edu/
http://www.aia.org/index.htm
Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
Submit original form and attach a course syllabus.

Form Instructions:
1. Course request type: ☑ Undergraduate ☐ Graduate ☐ First Professional (DDS, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name): Department of Architecture
3. Course prefix, number and complete title of course: ARCH 353 - History of Product Design
4. Catalog course description (not to exceed 50 words):
   History of product design in Europe and America including the relationship between designer and object, the
   relationship of design, industry and media over time, and design criticism; focus on material/technical and typological
   approaches, comparative method, and content analysis in context of original environment and social history.

5. Prerequisite(s): Junior or senior classification or approval of instructor
   Cross-listed with: ___________________________ Stacked with: ___________________________
   Cross-listed courses require the signature of both department heads.

6. Is this a variable credit course? ☐ Yes ☑ No If yes, from __________ to __________
7. Is this a repeatable course? ☐ Yes ☑ No If yes, this course may be taken _______ times.
   Will this course be repeated within the same semester? ☐ Yes ☑ No
8. Will this course be submitted to the Core Curriculum Council? ☐ Yes ☑ No
9. How will this course be graded? ☑ Grade ☐ S/U ☐ P/F (CLMD)
10. This course will be:
    a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)
       n/a
    b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)
       Environmental Design (EDAS)
11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.
12. ☑ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpx.tamu.edu/resources/export-control/export-controls-basics-for-distance-education).
13. Prefix Course # Title (excluding punctuation)

<table>
<thead>
<tr>
<th>Lec.</th>
<th>Lab</th>
<th>Other</th>
<th>SCH</th>
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</table>

Approval recommended by:

Ward V. Wells
Department Head or Program Chair (Type Name & Sign) Date

Leslie Feigenbaum
Chair, College Review Committee Date

Leslie Feigenbaum
Dean of College Date

Submitted to Coordinating Board by:

Chair, GC or UCC Date

Associate Director, Curricular Services

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services - 07/14
Course title and number  ARCH 353  History of Product Design
Term  Fall 2016
Meeting times and location  TBA

Course Description and Prerequisites

History of product design in Europe and America including the relationship between designer and object, the relationship of design, industry and media over time, and design criticism; focus on material/technical and typological approaches, comparative method, and content analysis in context of original environment and social history. Prerequisites: Junior or senior classification or permission of instructor.

Learning Outcomes

The course aims to provide students with a framework of interpretative skills useful to understanding design. Students who successfully complete this course will be able to:

- Observe and describe the techniques and materials deployed in creating objects or sites. [Knowledge]
- Understand and communicate the importance of historical context for design. [Comprehension]
- Distinguish significant developments in the relationship between design, industry, and media [Comprehension]
- Apply critical thinking to the historiography of design criticism [Application/Evaluation]

Instructor Information

Name  Gabriel Esquivel
Telephone number  614 570 7060
Email address  gabe@theoremash.com
Office hours  Tuesdays and Thursday from 2 to 4
Office location  ARCH A328

Textbook and/or Resource Material


Grading Policies

Projects will receive marks based on the level of understanding of concepts and processes presented in class lecture. A numeric-to-letter grading system will be used for grading purposes in this course. Grade A = 90-100, B = 80-89, C = 70-79, D = 60-69. With the above in mind, please note the following considerations:

**Course Requirements**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Critical Paper</td>
<td>20%</td>
</tr>
<tr>
<td>2. Mid-term Exam</td>
<td>30%</td>
</tr>
<tr>
<td>3. Final Exam</td>
<td>50%</td>
</tr>
<tr>
<td></td>
<td>100%</td>
</tr>
</tbody>
</table>

**Critical Paper (Writing Assignment)**

Each student will be required to write a short critical paper reviewing a book about a designer or manufacturer, a specific design movement, or specific works of design that may be defined by type, model or medium. The topic of the book must fall within the historical period covered in the course. It must also be concerned with applied arts and crafts or industrial designs that usually have commercial, utilitarian and aesthetic value.

Your review should describe:

1. The contents of the book and organization of the bibliography
2. The author’s thesis
3. The author’s arguments used to form an interpretation of the material being presented
4. Reflection/Analysis: State your own opinions about the author’s interpretation and use of primary or secondary source material and tell how you think the book might be improved.

*Format:* Your paper should be no less than four fully typed pages or approximately 1000 words in length. 10, 11 or 12 font size should be used.

**Grading Rubric for Paper**

<table>
<thead>
<tr>
<th>Grading Rubric for Paper</th>
<th>Poor</th>
<th>Fair</th>
<th>Good</th>
<th>Excellent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description of content and bibliography</td>
<td>0</td>
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<td>3</td>
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<tr>
<td>Description of author’s thesis</td>
<td>0-2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>Description of author’s arguments</td>
<td>0-2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>Analysis</td>
<td>0-2</td>
<td>3</td>
<td>4</td>
<td>5</td>
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<tr>
<td>Spelling/Grammar/Format</td>
<td>0</td>
<td>1</td>
<td>1.5</td>
<td>2</td>
</tr>
</tbody>
</table>

**Total points = 20**

Your paper is due on Wednesday December 7.
The paper will count the remaining 20% of your grade.

---

**Attendance and Make-up Policies**
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The university views class attendance as an individual student responsibility. Students are expected to attend class and to complete all assignments. Instructors are expected to provide notice of the dates on which major exams will be given and assignments will be due on the course syllabus, which must be made available by the first class period. Graduate students are expected to attend all examinations required by departments or advisory committees as scheduled formally.

Students who are requesting an excused absence are expected to uphold the Aggie Honor Code and Student Conduct Code (See TAMU Student Rule 24).

Project due dates are listed in the syllabus. Students should contact the instructor if work is turned in late due to an absence that is excused under the University's attendance policy. In such cases the instructor will either provide the student an opportunity to make up any quiz, exam or other graded activities or provide a satisfactory alternative to be completed within 30 calendar days from the last day of the absence. There will be no opportunity for students to make up work missed because of an unexcused absence.

### Course Topics, Calendar of Activities, Major Assignment Dates

<table>
<thead>
<tr>
<th>Week</th>
<th>Period</th>
<th>Reading</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>18th Century</td>
<td>Judy Attfield</td>
</tr>
<tr>
<td>2</td>
<td>19th Century</td>
<td>John Ruskin</td>
</tr>
<tr>
<td>3</td>
<td>Arts and Crafts</td>
<td>William Morris</td>
</tr>
<tr>
<td>4</td>
<td>Art Nouveau</td>
<td>Nikolaus Pevsner</td>
</tr>
<tr>
<td>5</td>
<td>Modernism</td>
<td>Adolf Loos</td>
</tr>
<tr>
<td>6</td>
<td>Bauhaus</td>
<td>Walter Benjamin</td>
</tr>
<tr>
<td>7</td>
<td>Mid-term Exam</td>
<td>Monday October 10</td>
</tr>
<tr>
<td>8</td>
<td>Mid- Century Modern</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Charles And Ray Eames</td>
<td>Walter Benjamin</td>
</tr>
<tr>
<td>10</td>
<td>Domesticity</td>
<td>Rolan Barthes</td>
</tr>
<tr>
<td>11</td>
<td>1960's</td>
<td>John Ruskin</td>
</tr>
<tr>
<td>12</td>
<td>1970's</td>
<td>Thorstein Veblen</td>
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<tr>
<td>13</td>
<td>1980's</td>
<td>Jean Baudrillard</td>
</tr>
<tr>
<td>14</td>
<td>21st Century</td>
<td>Jeffrey Meikle</td>
</tr>
<tr>
<td></td>
<td>Critical Paper Due</td>
<td>Pat Kirkham</td>
</tr>
<tr>
<td></td>
<td>Final Exam</td>
<td>Wednesday December 7</td>
</tr>
<tr>
<td></td>
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<td>TBA</td>
</tr>
</tbody>
</table>

### Americans with Disabilities Act (ADA)

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information visit [http://disability.tamu.edu](http://disability.tamu.edu).

### Academic Integrity
"An Aggie does not lie, cheat, or steal, or tolerate those who do."

Upon accepting admission to Texas A&M University, a student immediately assumes a commitment to uphold the Honor Code, to accept responsibility for learning, and to follow the philosophy and rules of the Honor System. Students will be required to state their commitment on examinations, research papers, and other academic work. Ignorance of the rules does not exclude any member of the TAMU community from the requirements or the processes of the Honor System. For additional information please visit: http://aggiehonor.tamu.edu

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- Department of Architecture Website: http://dept.arch.tamu.edu/
- Department Financial Assistance: http://dept.arch.tamu.edu/financial-assistance/
- Academic Calendar: http://admissions.tamu.edu/registrar/general/calendar.aspx
- Final Exam Schedule Online: http://admissions.tamu.edu/registrar/general/finalschedule.aspx
- On-Line Catalog: http://catalog.tamu.edu
- Student Rules: http://student-rules.tamu.edu/
- Aggie Honor System Office: http://aggiehonor.tamu.edu/
Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional

- Submit original form and attach a course syllabus.

Form Instructions:

1. Course request type: [✓] Undergraduate [ ] Graduate [ ] First Professional (DDS, MD, D.O., Pharm.D., D/V)

2. Request submitted by (Department or Program Name): Department of Architecture

3. Course prefix, number and complete title of course:
   ARCH 381 - Design Seminar

4. Catalog course description (not to exceed 50 words):
   Presentations by and discussions with professionals representing specialty areas related to architectural fabrication and product design.

5. Prerequisite(s): Junior or senior classification or approval of instructor
   Cross-listed with: 
   Stacked with:
   [Cross-listed courses require the signature of both department heads.]

6. Is this a variable credit course? [✓] Yes [ ] No
   [If yes, from _______ to _______]

7. Is this a repeatable course? [✓] Yes [ ] No
   Will this course be repeated within the same semester? [✓] Yes [ ] No
   If yes, this course may be taken _______ times.

8. Will this course be submitted to the Core Curriculum Council? [✓] Yes [ ] No

9. How will this course be graded? [✓] Grade [ ] S/U [ ] P/F (CLMD)

10. This course will be:
    a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)
    b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

11. Environmental Design (EDAS)

12. [✓] I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-control/export-control-basics-for-distance-education).

13. Prefix | Course # | Title (excluding punctuation)
---|---|---
ARCH | 381 | Design Seminar

<table>
<thead>
<tr>
<th>Lect.</th>
<th>Lab</th>
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<td>16</td>
<td>17 0 0</td>
</tr>
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</table>

Approval recommended by:

Ward V. Wells
Department Head or Program Chair (Type Name & Sign) Date

Leslie Feigenbaum
Chair, College Review Committee Date

Leslie Feigenbaum
Dean of College Date

Submitted to Coordinating Board by:

Chair, GC or UCC Date

Effective Date

Associate Director, Curricular Services

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 07/14
Course title and number: ARCH 381 – Design Seminar

Term: Fall 2015

Meeting times and location: Wednesday 5:45 pm – 6:35 pm ARCC 305. The Department of Architecture Architectural Fabrication and Product Design Lecture Series will be held in Geren Auditorium or other designated lecture hall.

Course Description and Prerequisites

Presentations by and discussions with professionals representing specialty areas related to architectural fabrication and product design. May be repeated for up to 3 credit hours.

Prerequisite: Junior or Senior classification or approval of instructor

A diverse group of professionals present topics of interest to individuals throughout the University. Many of the lectures have relevance to students in the Department of Architecture. Students in this class will be exposed to experts in a variety of fields who will provide information relevant to the constantly changing arena of architectural fabrication and product design. This course will enable students to better adopt a professional, broad focus on architectural fabrication and product design. Students will be exposed to contemporary topics in architectural fabrication and product design enabling them to articulate a position on issues related to architectural fabrication and product design.

Learning Outcomes

- Students will be exposed to a variety of experts who will provide relevant and timely information pertinent to the discipline of architecture.
- Students will be able to analyze and synthesize information from diverse perspectives.
- Students will be able to understand and interpret information so as to create innovative relationships capable of being applied to multiple contexts.
- Students will be able to articulate a position on issues related to the lectures.

Instructor Information

Name: Shelley D. Holliday
Telephone number: 979.845.7885
Email address: sholliday@tamu.edu
Office hours: Monday 9:00 am – 10:00 am, Friday 9:00 am – 10:00 am
Office location: Langford Building A, Office 418

Textbook and/or Resource Material

None required

Grading Policies

Students should refer to the Academic section in Student Rules and Regulations http://student-rules.tamu.edu
A > 90 points
90 points > B > 80 points
80 points > C > 70 points
70 points > D > 60 points
F < 60 points

All work will be project based. Including, but not limited to posters, questions, discussions, presentations, and written work.

**70 points maximum - The Department of Architecture Lecture Series**

Attendance at the seven scheduled Department of Architecture Architectural Fabrication and Product Design lectures is required. An attendance sheet will be available at each Department of Architecture lecture. Absent a University excused absence, failure to attend and sign the attendance sheet will result in 0 points for that lecture.

21 points maximum – Poster
Each student will select a speaker of their choice (first come first serve) and will be responsible for creating a poster advertising the upcoming lecture. The design must be completed and approved by the instructor one week prior to the lecture. The poster must be displayed in various locations around Langford on the Tuesday before the lecture and must be taken down on Monday after the lecture has concluded.

49 points maximum – Questions
Each student will be responsible for generating two questions concerning the speaker's topic for each lecture. Questions must be sent to the instructor via email by 8:00 pm the Sunday before the lecture.

**30 points maximum - Lectures Outside the Department of Architecture**

Attendance at three lectures other than those given or sponsored by the Department of Architecture (including instructor approved online lectures) is required.

15 points maximum – Lecture Notes
A maximum of 5 points will be given for each attendance with lecture notes. Absent a University excused absence, failure to turn in lecture notes by the deadline dates on the schedule will result in 0 points for that lecture.

15 points maximum – Class Presentations and Discussions
Each student will be responsible for a short presentation on their favorite Lecture that occurred outside the department.

**Attendance and Make-up Policies**

The University views class attendance as the responsibility of an individual student. Attendance is essential to complete the course successfully. University rules related to excused and unexcused absences are located online at [http://student-rules.tamu.edu/rule07](http://student-rules.tamu.edu/rule07).

Project due dates will be provided in the class schedule. Students should contact the instructor if work is turned in late due to an absence that is excused under the University’s attendance policy. In such cases the instructor will either provide the student an opportunity to make up any quiz, exam or other graded activities or provide a satisfactory alternative to be completed within 30 calendar days from the last day of the absence. There will be no opportunity for students to make up work missed because of an unexcused absence.
# Course Topics, Calendar of Activities, Major Assignment Dates

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
<th>Assignment</th>
</tr>
</thead>
<tbody>
<tr>
<td>01. 08/31</td>
<td>Course Introduction</td>
<td></td>
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<tr>
<td>02. 09/07</td>
<td>Department of Architecture Lecture 5:45 pm Geren Auditorium</td>
<td>Submit questions by 8:00 pm on 09/06</td>
</tr>
<tr>
<td>03. 09/14</td>
<td>Lecture Outside the Department</td>
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<tr>
<td>04. 09/21</td>
<td>Lecture Outside the Department</td>
<td>Meet to discuss outside the outside department lectures in ARCC 305.</td>
</tr>
<tr>
<td>05. 09/28</td>
<td>Lecture Outside the Department</td>
<td></td>
</tr>
<tr>
<td>06. 10/05</td>
<td>Department of Architecture Lecture, 5:45 pm Geren Auditorium</td>
<td>Submit questions by 8:00 pm on 10/04</td>
</tr>
<tr>
<td>07. 10/12</td>
<td>Department of Architecture Lecture, 5:45 Geren Auditorium</td>
<td>Submit questions by 8:00 pm on 10/11</td>
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<tr>
<td>08. 10/19</td>
<td>Research Symposium</td>
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<tr>
<td>10/23</td>
<td>Rowlett Lecture</td>
<td>Submit questions by 8:00 pm on 10/25</td>
</tr>
<tr>
<td>09. 10/26</td>
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<td></td>
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<tr>
<td>10. 11/02</td>
<td>Department of Architecture Lecture, 5:45 pm Geren Auditorium</td>
<td>Submit questions by 8:00 pm on 11/01</td>
</tr>
<tr>
<td>11. 11/09</td>
<td>Department of Architecture Lecture, 5:45 Geren Auditorium</td>
<td></td>
</tr>
<tr>
<td>12. 11/16</td>
<td>Department of Architecture Lecture, 5:45 pm Geren Auditorium</td>
<td>-Submit questions by 8:00 pm on 11/15</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-Submit three outside department lecture notes by 8:00 pm on 11/16.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-Submit digital presentation by 8:00 pm on 11/16.</td>
</tr>
<tr>
<td>14. 11/30</td>
<td>Presentations of Outside Lectures</td>
<td></td>
</tr>
</tbody>
</table>

## Other Pertinent Course Information

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All studio desks must be covered. In addition students must have at minimum an 18" x 24" cutting mat at their desk.

Studio Policy (required of all studios)

All students, faculty, administration and staff of the Department of Architecture at Texas A&M University are dedicated to the principle that the Design Studio is the central component of an effective education in architecture. They are equally dedicated to the belief that students and faculty must lead balanced lives and use time wisely, including time outside the design studio, to gain from all aspects of a university education and world experiences. They also believe that design is the integration of many parts, that process is as important as product, and that the act of design and of professional practice is inherently interdisciplinary, requiring active and respectful collaboration with others.

Students and faculty in every design studio will embody the fundamental values of optimism, respect, sharing, engagement, and innovation. Every design studio will therefore encourage the rigorous exploration of ideas, diverse viewpoints, and the integration of all aspects of architecture (practical, theoretical, scientific, spiritual, and artistic), by providing a safe and supportive environment for thoughtful innovation. Every design studio will increase skills in professional communication, through drawing, modeling, writing and speaking.

Every design studio will, as part of the syllabus introduced at the start of each class, include a clear statement on time management, and recognition of the critical importance of academic and personal growth, inside and outside the studio environment. As such it will be expected that faculty members and students devote quality time to studio activities, while respecting the need to attend to the broad spectrum of the academic life. Every design studio will establish opportunities for timely and effective review of both process and products. Studio reviews will include student and faculty peer review. Where external reviewers are introduced, the design studio instructor will ensure that the visitors are aware of the Studio Culture Statement and recognize that the design critique is an integral part of the learning experience. The design studio will be recognized as place for open communication and movement, while respecting the needs of others, and of the facilities.

Important Links Below

Department of Architecture Website  http://dept.arch.tamu.edu/
Department Financial Assistance  http://dept.arch.tamu.edu/financial-assistance/
Academic Calendar  http://registrar.tamu.edu/general/calendar.aspx
Final Exam Schedule Online  http://registrar.tamu.edu/Courses-Registration-Scheduling/Final-Exam-Schedule
On-Line Catalog  http://catalog.tamu.edu
Student Rules  http://student-rules.tamu.edu/
Aggie Honor System Office  http://aggiehonors.tamu.edu/
American Institute of Architecture website  http://www.aia.org/index.htm
Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
• Submit original form and attach a course syllabus.

Form Instructions

1. Course request type: ☒ Undergraduate ☐ Graduate ☐ First Professional (DDS, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name): Health and Kinesiology
3. Course prefix, number and complete title of course: ATTR 201 Field Experience in Athletic Training I
4. Catalog course description (not to exceed 50 words): Field based experience in athletic training to provide on-the-job training designed to enhance and clarify career objectives; knowledge and skill development in professional behaviors, injury prevention and risk management.

5. Prerequisite(s): Kinesiology majors

Cross-listed with: 
Smacked with: 

[Cross-listed courses require the signature of both department heads.]

6. Is this a variable credit course? ☐ Yes ☒ No If yes, from _____ to _____
7. Is this a repeatable course? ☐ Yes ☒ No If yes, this course may be taken _____ times.
   Will this course be repeated within the same semester? ☐ Yes ☒ No
8. Will this course be submitted to the Core Curriculum Council? ☐ Yes ☒ No
9. How will this course be graded: ☒ Grade ☐ S/U ☐ P/F (CLMD)
10. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in History)
      3+2 Kinesiology/MS Athletic Training
   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in Geography)

11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with those departments. Attach approval letters.
12. ☒ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

13. Prefix Course # Title (excluding punctuation)
    ATTR 201 FIELD EXPERIENCE ATHL TRNG I

<table>
<thead>
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<th>Lect.</th>
<th>Lab</th>
<th>Other</th>
<th>SCHI</th>
<th>CIP and Fund Code</th>
<th>Admin. Unit</th>
<th>Acad. Year</th>
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<td>6</td>
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</tbody>
</table>

Approval recommended by:

Richard Kreider
Department Head or Program Chair (Type Name & Sign) Date

Chris Cherry
Chair, College Review Committee Date

Chris Cherry
Dean of College Date

Tim Scott
Chair, GC or UCC Date

Submitted to Coordinating Board by:

Associate Director, Curricular Services

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu.
Curricular Services - 07/14
ATTR 201: Field Based Experience in Athletic Training I  
Texas A&M University  
Department of Health and Kinesiology

Term:    Fall 2017  
Instructor:     AT Staff, MS, ATC, LAT  
Office:       TBD  
Phone:       TBD  
E-mail:      TBD  
Office Hrs:  TBD  
Classroom:   TBD  
Day/Time:    TBD

Course Description:  
Field based experience in athletic training to provide on-the-job training designed to enhance and clarify career objectives; knowledge and skill development in professional behaviors, injury prevention and risk management. Prerequisite: KINE major.

Required Text :  

Learning Outcomes: Students will be able to:  
A. Identify the requirements for admission to and retention in the Texas A&M University Master of Science in Athletic Training program.  
B. Summarize athletic training history, development, scope of practice and associated professional organizations.  
C. Practice the domains of athletic training under the supervision of a Certified Athletic Trainer or other medical/allied health professional.  
D. Utilize principles of confidentiality when dealing with personal health information.  
E. Learn and practice professionalism and ethical conduct.  
F. Demonstrate effective communication skills with a variety of populations utilizing ethnic and cultural sensitivity.  
G. Perform appropriate disinfectant procedures to prevent the spread of infectious diseases and to comply with OSHA regulations.  
H. Identify the necessary components in a pre-participation physical examination  
I. Apply preventive taping and wrapping procedures, splints, braces, and other special protective devices.  
J. Appreciate the importance of risk management programs and the development of an emergency action plan.  
K. Recognize serious potentially life threatening conditions and less serious injuries that must be referred to a physician.  
L. Apply a variety of techniques for the purpose of stabilization, immobilization and transportation during injury management.  
M. Fabricate and apply various prophylactic devices including taping, padding, bracing, splinting.
N. Determine the proper usage of cryotherapy and superficial thermotherapy to treat injuries.

**Evaluation Procedures:** Grades awarded in this class will be calculated as a simple percentage of the total number of points possible. The specific point values for each of the various evaluative criteria appear below, as well as the grading scale to be applied to earned percentage values.

- Written Exam: 50 points
- Practical Exam: 50 points
- Quizzes: 7 quizzes worth 10 points each: 70 points
- Medical terminology handout: 25 points
- Field Experience Reflection Journal: 10 points x 15 weeks: 150 points

**Grading System:**
- 90% and above A; 80-89% B; 70-79% C; 60-69% D; Below 60% F

**Weekly meeting:**
1. Meet 1 hour each week for knowledge acquisition and skill development.
2. Attend and participate in class activities.
3. Dress appropriately for class activities (see dress code below).

**Field Experience:**
1. Students will rotate to each Texas A&M University athletic training room to observe at least three hours per week for a total of 45 hours. Hour logs must be recorded and signed at the bottom by the supervisor to receive credit for the hours and to have weekly reflection journals count toward student course grade.
2. Students may volunteer to assist staff with games or events.
3. Students should dress appropriately for field experience (refer to Student Internship Handbook).
4. Students will complete assigned duties as directed by supervisor.
5. Students should adhere to Student Internship Handbook and site policies and procedures.
6. Students will maintain a clinical experience reflection journal.
   a. A reflection journal is an opportunity for students to critically review their week of clinical experiences and discuss what they learned through observation, hands on experience or through interactions with patients, peers, coaches and preceptors. A reflection journal is not a simple diary
of events for the week. Instead, students are encouraged to reflect on what they learned during the week either through direct interaction or observation. Students are allowed one (1) late journal submission without penalty. Further late journal submissions will result in a zero (0) score. Students are expected to use correct terminology, grammar and spelling. Students should create a Word document with each week’s reflection journal in the same file. Reflection journals will be emailed to the course instructor at the end of the semester.

Course Policies:

**Dress Code:** All students must dress appropriately for lab sessions and examinations. Failure to dress appropriately for lab sessions will count as an absence from lab. Failure to dress appropriately for lab examinations will result in a zero “0” for that examination. Appropriate dress includes the following: exercise shorts (wearing tights underneath is acceptable), sport bras for women, men will need to remove shirts for torso and upper extremity injury evaluation.

**Course Preparation:** Students are expected to
1. Be prepared for each class/lab by reading the necessary materials prior to the class.
2. Actively participate in classroom activities and discussions.
3. Use professional communication skills including proper terminology during discussions and group activities.
4. Behave professionally and respectfully to peers and instructor.

**Attendance Policy:** Attendance requirements will be as described in the Texas A&M University Student Rules handbook (http://student-rules.tamu.edu/rule07). TAMU views class attendance as an individual student's responsibility. Students are expected to attend class and to complete all assignments. Instructors are expected to give adequate notice of the dates on which major tests will be given and assignments will be due. Absences will be authorized for reasons deemed sufficient by the instructor or by the university. When an absence is authorized, the instructor must either provide the student an opportunity to make up tests, assignments and other work missed or provide a satisfactory alternative to be completed within 30 days of the excused absence. The manner in which make-up work is administered remains the prerogative of the instructor. The instructor is under no obligation to provide an opportunity for the student to make up work missed because of unauthorized absence. The student may appeal the instructor's decision that an absence is unauthorized.

**Professional Conduct:** Students are expected to conduct themselves professionally at all times and to adhere to the guidelines published in the Texas A&M University Student Rules Handbook. Professional conduct entails but is not limited to attending classes on time, showing respect for the instructor and fellow classmates, being prepared for class, dressing appropriately and turning completed assignments in on time.
**Cell Phones (and other IM Devices) and iPods:** Cell phones, iPods, and other IM devices should be turned OFF during class – not in silent/vibrate or other mode. Students must not answer incoming calls or text (or other mode of communication) during class. These are to be turned off and put away before entering the classroom. If you have a situation (family illness, etc.), and you need to be contacted, notify the instructor to acquire permission to keep the device on vibrate and then step out of the room before answering.

**Academic Integrity Statement and Policy:** The handling of possible incidents of academic dishonesty will be as described in the *Texas A&M University Student Rules* handbook. Students are encouraged to review Section 20 at [http://student-rules.tamu.edu/search/rule20.htm](http://student-rules.tamu.edu/search/rule20.htm) of the *Texas A&M University Student Rules* as well as [http://aggiehonor.tamu.edu](http://aggiehonor.tamu.edu). Students who do not understand any part of Section 20 should consult the instructor of this course. All work to be completed for this class is to be individual work unless otherwise noted. “*An Aggie does not lie, cheat, or steal, or tolerate those who do.*”

**Plagiarism:** As commonly defined, plagiarism consists of passing off as one’s own the ideas, words, writings, etc., which belong to another. In accordance with this definition, you are committing plagiarism if you copy the work of another person and turn it in as your own even if you should have the permission of that person. Plagiarism is one of the worst academic sins, for the plagiarist destroys the trust among colleagues without which research cannot be safely communicated. If you have any questions regarding plagiarism, consult the latest issue of the *Texas A&M University Student Rules*, under the section concerning Scholastic Dishonesty.

**Americans with Disabilities Act (ADA) Policy Statement:** The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information, visit [http://disability.tamu.edu](http://disability.tamu.edu).

**Additional Notes:** The instructor reserves the right to modify this course syllabus at any time. Students will receive verbal notification of such modifications.
## ATTR 201: Field Based Experience in Athletic Training I

### Tentative Course Schedule

<table>
<thead>
<tr>
<th>WEEK</th>
<th>TOPIC</th>
<th>READING</th>
<th>QUIZZES/ASSIGNMENTS</th>
</tr>
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</table>
| 1    | -Introduction to Aggie Athletic Training  
-Admission and retention in MSAT program  
-Volunteer student program              | http://hlknweb.tamu.edu/degrees-and-programs/graduate-degree-programs/athletic-training             |                     |
| 2    | -Athletic Training history and development  
-Scope of practice  
-Work settings  
-Salary  
-Professional organizations: NATA, SWATA, TSATA | Chp. 1  
http://www.nata.org  
http://www.swata.org  
http://www.tsata.org                                                                 |                     |
| 3    | -Professionalism and ethical conduct  
-NATA Code of Ethics  
-Legal Aspects  
-Patient confidentiality | Chp. 1, Chp. 3  
Aggie Student Athletic Training Handbook                                                                                        | Quiz 1              |
| 4    | -Record keeping and medical documentation  
-BBP, OSHA regulations | Chp. 2, 14                                                                                      | Quiz 2              |
| 5    | Pre-participation physical examination                                      | Chp. 2                                                                                          | Quiz 3              |
| 6    | -Emergency Action Plans  
-Stabilization, immobilization and transportation techniques | Chp. 12                                                                                         | EAP Assignment      |
<p>| 7    | Cryotherapy and thermotherapy application techniques | Chp. 15                                                                                         | Quiz 4              |</p>
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<th>Fitness and conditioning</th>
<th>Chp. 4</th>
<th>Quiz 5</th>
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<td>9</td>
<td>Nutrition and supplements</td>
<td>Chp. 5</td>
<td>Quiz 6</td>
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<td>10</td>
<td>Environmental Considerations</td>
<td>Chp. 6</td>
<td>Quiz 7</td>
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<td>11</td>
<td>Exam I: Written</td>
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<td>12</td>
<td>Taping and wrapping procedures, splints, braces, and other special protective devices: lower extremity</td>
<td>Chp. 7, 8</td>
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<td>13</td>
<td>Taping and wrapping procedures, splints, braces, and other special protective devices: lower extremity</td>
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<tr>
<td>14</td>
<td>Taping and wrapping procedures, splints, braces, and other special protective devices: upper extremity</td>
<td>Chp. 7, 8</td>
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<tr>
<td>15</td>
<td>Exam II: Practical</td>
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Texas A&M University
Departmental Request for a New Course
Undergraduate + Graduate + Professional
* Submit original form and attach a course syllabus.

Form Instructions

1. Course request type:
   - Undergraduate
   - Graduate
   - First Professional (DDS, MD, JD, PharmD, DVM)

2. Request submitted by: (Department or Program Name): Health and Kinesiology

3. Course prefix, number and complete title of course: ATTR 202 Field Experience in Athletic Training II

4. Catalog course description (not to exceed 50 words): Field based experience in athletic training to provide on-the-job training designed to enhance and clarify career objectives; knowledge and skill development in recognition and evaluation of common injuries and illnesses and their management.

5. Prerequisite(s):
   - ATTR 201

6. Is this a variable credit course?
   - Yes
   - No
   - If yes, from ________ to ________

7. Is this a repeatable course?
   - Yes
   - No
   - If yes, this course may be taken ________ times.

8. Will this course be repeated within the same semester?
   - Yes
   - No

9. Will this course be submitted to the Core Curriculum Council?
   - Yes
   - No

10. How will this course be graded:
   - Grade
   - S/U
   - P/F (CLMD)

11. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)
      - 3+2 Kinesiology/MS Athletic Training
   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

12. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

13. Prefix | Course # | Title (excluding punctuation)
   - ATTR 202 FIELD EXPERIENCE ATHL TRNG II

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<th>Admin. Unit</th>
<th>Acad. Year</th>
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Approval recommended by:

Richard Kreider
Department Head or Program Chair (Type Name & Sign) Date

Chris Cherry
Chair, College Review Committee Date

Chris Cherry
Dean of College Date

Tim Scott
Chair, GC or UCC Date

Submitted to Coordinating Board by:

Associate Director, Curricular Services Date

Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu.
Curricular Services – 07/14
ATTR 202: Field Based Experience in Athletic Training II
Texas A&M University
Department of Health and Kinesiology

Term: Spring 2018
Instructor: AT Staff, MS, ATC, LAT
Office: TBD
Phone: TBD
E-mail: TBD
Office Hrs: TBD
Classroom: TBD
Day/Time: TBD

Course Description:
Field based experience in athletic training to provide on-the-job training designed to enhance and clarify career objectives; knowledge and skill development in recognition and evaluation of common injuries and illnesses and their management. Prerequisite: ATTR 201

Required Text:

Learning Outcomes: Students will be able to
A. Practice the domains of athletic training under the supervision of a Certified Athletic Trainer or other medical/allied health professional.
B. Utilize principles of confidentiality when dealing with personal health information.
C. Learn and practice professionalism and ethical conduct.
D. Demonstrate effective communication skills with a variety of populations utilizing ethnic and cultural sensitivity.
E. Explain the etiology and prevention guidelines associated with the leading causes of sudden death during physical activity.
F. Recognize the signs and symptoms of common athletic injuries and illnesses.
G. Communicate with medical personnel and other members of the sports medicine team using common medical terminology.
H. Perform a basic evaluation for common athletic injuries.
I. Describe the principles of environmental illness prevention programs and management.

Evaluation Procedures: Grades awarded in this class will be calculated as a simple percentage of the total number of points possible. The specific point values for each of the various evaluative criteria appear below, as well as the grading scale to be applied to earned percentage values.

Written Exam 50 points
Practical Exam 50 points
Quizzes: 7 quizzes worth 10 points each 70 points
Medical terminology handout 25 points
Field Experience Reflection Journal: 10 points x 15 weeks 150 points
345 points

*Students only receive points for reflection journals if a minimum of 3 hours of field experience for the week is recorded. If a student completes less than 3 hours for the week, 10 points are deducted from the total number of points. In order to enroll in the next course in the sequence, ATTR 301 Field Experience in Athletic Training III, students must obtain a grade of C or higher in this course.

Grading System:
90% and above A; 80-89% B; 70-79% C; 60-69% D; Below 60% F

Weekly meeting:
1. Meet 1 hour each week for knowledge acquisition and skill development.
2. Attend and participate in class activities.
3. Dress appropriately for class activities (see dress code below).

Field Experience:
4. Students will rotate to each Texas A&M University athletic training room to observe at least three hours per week for a total of 45 hours. Hour logs must be recorded and signed at the bottom by the supervisor to receive credit for the hours and to have weekly reflection journals count toward student course grade.
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**Additional Notes:** The instructor reserves the right to modify this course syllabus at any time. Students will receive verbal notification of such modifications.
### ATTR 202: Field Based Experience in Athletic Training II

**Tentative Course Schedule**

<table>
<thead>
<tr>
<th>WEEK</th>
<th>TOPIC</th>
<th>READING</th>
<th>QUIZZES/ASSIGNMENTS</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>-Introduction</td>
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<tr>
<td></td>
<td>-Field Assignments</td>
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<td></td>
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<tr>
<td>2</td>
<td>Injury classifications and terminology</td>
<td>Chp. 9</td>
<td>Medical Terminology handout</td>
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<tr>
<td>3</td>
<td>Injury Evaluation Process</td>
<td>Chp. 13</td>
<td></td>
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<tr>
<td>4</td>
<td>Injury recognition and evaluation: Foot</td>
<td>Chp. 18</td>
<td></td>
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<td>5</td>
<td>Injury recognition and evaluation: Ankle/Leg</td>
<td>Chp. 19</td>
<td>Quiz 1</td>
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<td>6</td>
<td>Injury recognition and evaluation: Knee</td>
<td>Chp. 20</td>
<td>Quiz 2</td>
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<td>7</td>
<td>Injury recognition and evaluation: Thigh/Hip/Pelvis</td>
<td>Chp. 21</td>
<td>Quiz 3</td>
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<td>8</td>
<td>Injury recognition and evaluation: Shoulder</td>
<td>Chp. 22</td>
<td>Quiz 4</td>
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<td>Injury recognition and evaluation: Elbow/Wrist/Hand</td>
<td>Chp. 23, Chp. 24</td>
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<td>10</td>
<td>Injury recognition and evaluation: Spine</td>
<td>Chp. 25</td>
<td>Quiz 5</td>
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<tr>
<td>11</td>
<td>Injury recognition and evaluation: Head and face</td>
<td>Chp. 26</td>
<td></td>
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<tr>
<td>12</td>
<td>General Medical Conditions</td>
<td>Chp. 29</td>
<td>Quiz 6</td>
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<td>13</td>
<td>General Medical Conditions</td>
<td>Chp. 29</td>
<td>Quiz 7</td>
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<td>Exam I: Written</td>
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<tr>
<td>15</td>
<td>Exam II: Practical</td>
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</table>
Texas A&M University
Departmental Request for a New Course
Undergraduate + Graduate + Professional
- Submit original form and attach a course syllabus.

Form Instructions

1. Course request type:  
   - Undergraduate  
   - Graduate  
   - First Professional (DDS, MD, JD, PharmD, DVM)

2. Request submitted by (Department or Program Name):  
   Health and Kinesiology

3. Course prefix, number and complete title of course:  
   ATTR 301 Field Experience in Athletic Training

4. Catalog course description (not to exceed 50 words):  
   Field based experience in athletic training to provide on-the-job training designed to 
   enhance and clarify career objectives; knowledge and skill development in the treatment and rehabilitation of athletic injuries.

5. Prerequisite(s):  
   ATTR 202

   Cross-listed with:  
   Stacked with:  
   Cross-listed courses require the signature of both department heads.

6. Is this a variable credit course?  
   - Yes  
   - No
   If yes, from ______ to ______

7. Is this a repeatable course?  
   - Yes  
   - No
   If yes, this course may be taken ______ times.
   Will this course be repeated within the same semester?  
   - Yes  
   - No

8. Will this course be submitted to the Core Curriculum Council?  
   - Yes  
   - No

9. How will this course be graded:  
   - Grade
   - S/U
   - P/F (CLM, MD)

10. This course will be:  
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)  
      3+2 Kinesiology/MS Athletic Training
   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

12. I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

13. Prefix  
   Course #  
   Title (excluding punctuation)
   ATTR 301  
   FIELD EXPERIENCE ATHL TRNG

   Lect.  
   Lab  
   Other  
   SCH  
   CIP and Fund Code  
   Admin. Unit  
   Acad. Year  
   FICE Code
   4.00  
   1.00  
   5109130002  
   1402  
   16  
   17  
   0  
   3  
   6  
   3  
   2  

   Approval recommended by:
   Richard Kreider  
   Department Head or Program Chair (Type Name & Sign)  
   Date  
   Chris Cherry  
   Chair, College Review Committee  
   Date  
   Chris Cherry  
   Dean of College  
   Date  
   Tim Scott  
   Chair, GC or UCC  
   Date

   Submitted to Coordinating Board by:
   Associate Director, Curricular Services  
   Date  
   Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu
Curricular Services – 07/14
ATTR 301: Field Based Experience in Athletic Training I
Texas A&M University
Department of Health and Kinesiology

Term: Fall 2018
Instructor: AT Staff, MS, ATC, LAT
Office: TBD
Phone: TBD
E-mail: TBD
Office Hrs: TBD
Classroom: TBD
Day/Time: TBD

Course Description:
Field based experience in athletic training to provide on-the-job training designed to enhance and clarify career objectives; knowledge and skill development in the treatment and rehabilitation of athletic injuries. Prerequisite: ATTR 202

Required Text:

Learning Outcomes: Students will be able to
A. Practice the domains of athletic training under the supervision of a Certified Athletic Trainer or other medical/allied health professional.
B. Utilize principles of confidentiality when dealing with personal health information.
C. Learn and practice professionalism and ethical conduct.
D. Demonstrate effective communication skills with a variety of populations utilizing ethnic and cultural sensitivity.
E. Apply therapeutic modalities and therapeutic exercises commonly used in athletic training.
F. Develop an awareness of therapeutic medications typically used in athletic training.
G. Incorporate psychological interventions into treatment plans.

Evaluation Procedures: Grades awarded in this class will be calculated as a simple percentage of the total number of points possible. The specific point values for each of the various evaluative criteria appear below, as well as the grading scale to be applied to earned percentage values.

Written Exam 50 points
Practical Exam 50 points
Quizzes: 7 quizzes worth 10 points each 70 points
Pharmacology Assignment 25 points
Field Experience Reflection Journal: 10 points x 15 weeks 150 points
345 points
Students only receive points for reflection journals if a minimum of 3 hours of field experience for the week is recorded. If a student completes less than 3 hours for the week, 10 points are deducted from the total number of points. In order to enroll in the next course in the sequence, ATTR 302 Field Experience in Athletic Training IV, students must obtain a grade of C or higher in this course.

Grading System:
90% and above A; 80-89% B; 70-79% C; 60-69% D; Below 60% F

Weekly meeting:
1. Meet 1 hour each week for knowledge acquisition and skill development.
2. Attend and participate in class activities.
3. Dress appropriately for class activities (see dress code below).

Field Experience:
4. Students will rotate to each Texas A&M University athletic training room to observe at least three hours per week for a total of 45 hours. Hour logs must be recorded and signed at the bottom by the supervisor to receive credit for the hours and to have weekly reflection journals count toward student course grade.
5. Students may volunteer to assist staff with games or events.
6. Students should dress appropriately for field experience (refer to Student Internship Handbook).
7. Students will complete assigned duties as directed by supervisor.
8. Students should adhere to Student Internship Handbook and site policies and procedures.
9. Students will maintain a clinical experience reflection journal.
   a. A reflection journal is an opportunity for students to critically review their week of clinical experiences and discuss what they learned through observation, hands on experience or through interactions with patients, peers, coaches and preceptors. A reflection journal is not a simple diary of events for the week. Instead, students are encouraged to reflect on what they learned during the week either through direct interaction or observation. Students are allowed one (1) late journal submission without penalty. Further late journal submissions will result in a zero (0) score. Students are expected to use correct terminology, grammar and spelling. Students should create a Word document with each week’s reflection journal in the same file. Reflection journals will be emailed to the course instructor at the end of the semester.

Course Policies:
Dress Code: All students must dress appropriately for lab sessions and examinations. Failure to dress appropriately for lab sessions will count as an absence from lab. Failure to dress appropriately for lab examinations will result in a zero "0" for that examination. Appropriate dress includes the following: exercise
shorts (wearing tights underneath is acceptable), sport bras for women, men will need to remove shirts for torso and upper extremity injury evaluation.

**Course Preparation: Students are expected to**
1. Be prepared for each class/lab by reading the necessary materials prior to the class.
2. Actively participate in classroom activities and discussions.
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Section 20 should consult the instructor of this course. All work to be completed for this class is to be individual work unless otherwise noted. “An Aggie does not lie, cheat, or steal, or tolerate those who do.”

**Plagiarism:** As commonly defined, plagiarism consists of passing off as one’s own the ideas, words, writings, etc., which belong to another. In accordance with this definition, you are committing plagiarism if you copy the work of another person and turn it in as your own even if you should have the permission of that person. Plagiarism is one of the worst academic sins, for the plagiarist destroys the trust among colleagues without which research cannot be safely communicated. If you have any questions regarding plagiarism, consult the latest issue of the *Texas A&M University Student Rules*, under the section concerning Scholastic Dishonesty.

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**Additional Notes:** The instructor reserves the right to modify this course syllabus at any time. Students will receive verbal notification of such modifications.
<table>
<thead>
<tr>
<th>WEEK</th>
<th>TOPIC</th>
<th>READING</th>
<th>QUIZZES/ASSIGNMENTS</th>
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<td>-MSAT Application process</td>
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<td>2</td>
<td>Injury Response and Phases of Healing</td>
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<td>3</td>
<td>Therapeutic interventions during the acute inflammatory phase</td>
<td>Chp. 15 Supplemental Reading</td>
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<td>Cold modalities</td>
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<td>Compression</td>
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<td>Elevation</td>
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<td>Pulsed Ultrasound</td>
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<td>Electrical Stimulation</td>
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<td>Therapeutic Exercise for Phase I:</td>
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<td>Controlled ROM – CPM</td>
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<td>Quiz 2</td>
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<td>Electrical stimulation</td>
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<td>Heat modalities</td>
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<td>Traction</td>
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<td>Therapeutic Exercise for Phase II:</td>
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<td>Therapeutic interventions during the repair phase</td>
<td>Chp. 15, 16</td>
<td>Quiz 4</td>
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<td>Therapeutic Modalities for Phase III: Heat modalities Thermal US Electrical stimulation Massage</td>
<td>Chp. 15 Supplemental Reading</td>
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<td>Therapeutic Exercise for Phase III: PRE Proprioception Speed and agility Sport specific exercises CV conditioning</td>
<td>Chp. 16 Supplemental Reading</td>
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<td>Drug classifications and therapeutic medications</td>
<td>Chp. 17</td>
<td>Quiz 6</td>
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<td>Chp. 17</td>
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<td>12</td>
<td>Psychosocial interventions for injuries and illnesses</td>
<td>Chp. 11</td>
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<td>Resume writing</td>
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<td>Quiz 7</td>
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<td>14</td>
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<tr>
<td>15</td>
<td>Exam II: Practical</td>
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Texas A&M University
Departmental Request for a New Course
Undergraduate ♦ Graduate ♦ Professional
• Submit original form and attach a course syllabus.

Form Instructions
1. Course request type:  ☒ Undergraduate  ☐ Graduate  ☐ First Professional (DVM, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name): Health and Kinesiology
3. Course prefix, number and complete title of course: ATTR 302 Field Experience in Athletic Training II
4. Catalog course description (not to exceed 50 words): Field based experience in athletic training to provide on-the-job training designed to enhance and clarify career objectives; knowledge and skill development in athletic training administration; exploration of policy and position statements; professional development.

5. Prerequisite(s): ATTR 301
Cross-listed with:  
Stacked with: Cross-listed courses require the signature of both department heads.

6. Is this a variable credit course? ☐ Yes  ☒ No  If yes, from ______ to ______
7. Is this a repeatable course? ☐ Yes  ☒ No  If yes, this course may be taken ______ times.
   Will this course be repeated within the same semester? ☐ Yes  ☒ No
8. Will this course be submitted to the Core Curriculum Council?  ☒ Yes  ☐ No
9. How will this course be graded: ☒ Grade  ☐ S/U  ☐ P/F (CLMD)
10. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)
      3+2 Kinesiology/MS Athletic Training
   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.
12. ☒ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

13. Prefix Course # Title (excluding punctuation)
   ATTR 302 FIELD EXPERIENCE ATHL TRNG II

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<th>FICE Code</th>
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Approval recommended by:
Richard Kreider  Chris Cherry
Department Head or Program Chair (Type Name & Sign) Date
Chair, College Review Committee Date

Department Head or Program Chair (Type Name & Sign) (if cross-listed course) Date
Dean of College Date

Submitted to Coordinating Board by:
Tim Scott  Date
Chair, GC or UCC Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 07/14
ATTR 302: Field Based Experience in Athletic Training II
Texas A&M University
Department of Health and Kinesiology

Term: Spring 2019
Instructor: AT Staff, MS, ATC, LAT
Office: TBD
Phone: TBD
E-mail: TBD
Office Hrs: TBD
Classroom: TBD
Day/Time: TBD

Course Description:
Field based experience in athletic training to provide on-the-job training designed to enhance and clarify career objectives; knowledge and skill development in athletic training administration; exploration of policy and position statements; professional development. Prerequisite: ATTR 301

Required Text:

Learning Outcomes: Students will be able to
A. Practice the domains of athletic training under the supervision of a Certified Athletic Trainer or other medical/allied health professional.
B. Utilize principles of confidentiality when dealing with personal health information.
C. Learn and practice professionalism and ethical conduct.
D. Demonstrate effective communication skills with a variety of populations utilizing ethnic and cultural sensitivity.
E. Understand the different managerial roles assumed by athletic trainers.
F. Coordinate the purchasing of athletic training equipment, supplies, and services so as to maximize the use of program funds.
G. Manage an athletic training program’s inventory of equipment and supplies.
H. Describe the different types of information to be managed in a typical sports medicine program.
I. Input information into an information management software program.
J. Understand privacy regulations for handling personal health information and educational records (HIPPA, FERPA).
K. Record patient evaluation findings and plan of care using SOAP notes.
L. Access applicable consensus and position statements that are standard of care within the profession.
M. Describe the process for becoming a Certified Athletic Trainer and a Licensed Athletic Trainer.
N. Differentiate between academic and professional preparation of different medical and allied health care professionals.
O. Recognize and evaluate general medical conditions to make referral decisions.

**Evaluation Procedures:** Grades awarded in this class will be calculated as a simple percentage of the total number of points possible. The specific point values for each of the various evaluative criteria appear below, as well as the grading scale to be applied to earned percentage values.

<table>
<thead>
<tr>
<th>Written Exam</th>
<th>100 points</th>
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<tbody>
<tr>
<td>Quizzes: 7 quizzes worth 10 points each</td>
<td>70 points</td>
</tr>
<tr>
<td>Administration assignment</td>
<td>25 points</td>
</tr>
<tr>
<td>Field Experience Reflection Journal: 10 points x 15 weeks</td>
<td>150 points</td>
</tr>
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<td></td>
<td>345 points</td>
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</tbody>
</table>

*Students only receive points for reflection journals if a minimum of 3 hours of field experience for the week is recorded. If a student completes less than 3 hours for the week, 10 points are deducted from the total number of points.*

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90% and above A; 80-89% B; 70-79% C; 60-69% D; Below 60% F

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**Additional Notes:** The instructor reserves the right to modify this course syllabus at any time. Students will receive verbal notification of such modifications.
### ATTR 302: Field Based Experience in Athletic Training II

#### Tentative Course Schedule

<table>
<thead>
<tr>
<th>WEEK</th>
<th>TOPIC</th>
<th>READING</th>
<th>QUIZZES/ ASSIGNMENTS</th>
</tr>
</thead>
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<tr>
<td>1</td>
<td>Introduction; course expectations; field assignments</td>
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<td>2</td>
<td>Managerial roles of athletic trainers</td>
<td>Chp. 1 Supplemental Reading</td>
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<tr>
<td>3</td>
<td>Budget and purchasing</td>
<td>Chp. 2 Supplemental Reading</td>
<td>Quiz 1</td>
</tr>
<tr>
<td>4</td>
<td>Inventory management</td>
<td>Chp. 2 Supplemental Reading</td>
<td>Quiz 2</td>
</tr>
<tr>
<td>5</td>
<td>Injury management software</td>
<td>Chp. 2 Supplemental Reading</td>
<td>Quiz 3</td>
</tr>
<tr>
<td>6</td>
<td>Human resource management</td>
<td>Chp. 2 Supplemental Reading</td>
<td>Quiz 4</td>
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<td>7</td>
<td>Professional communication and conflict management</td>
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<td>Quiz 5</td>
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<tr>
<td>8</td>
<td>Privacy regulations for personal health information and educational records (HIPPA, FERPA)</td>
<td>Chp. 2 Supplemental Reading</td>
<td>Quiz 6</td>
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<tr>
<td>9</td>
<td>Record keeping using SOAP notation system</td>
<td>Chp. 13 Supplemental Reading</td>
<td>Quiz 7</td>
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<td>Obtaining athletic training credentials (ATC and LAT)</td>
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<td>10</td>
<td>Added credentials and continuing education</td>
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<tr>
<td>11</td>
<td>Transition to professional phase of MSAT</td>
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<tr>
<td>12</td>
<td>Ask the expert</td>
<td></td>
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<td>13</td>
<td>Ask the expert</td>
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<td>14</td>
<td>Exam Review</td>
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<td>15</td>
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Texas A&M University

Departmental Request for a New Course

Undergraduate + Graduate + Professional

Submit original form and attach a course syllabus.

Form Instructions

1. Course request type: ☑ Undergraduate  □ Graduate  □ First Professional (PRO 100 150)

2. Request submitted by (Department or Program Name): Department of Biological and Agricultural Engineering

3. Course prefix, number and complete title of course: BAEN 484: Internship

4. Catalog course description (not to exceed 50 words): Practical experience working in a professional biological and agricultural engineering setting

5. Prerequisite(s): HS or HS classification; approval of the Instructor

Cross-listed with: Stacked with:

Cross-listed courses require the signatures of both department heads.

6. Is this a variable credit course? ☑ Yes  □ No If yes, from 0 to 0

7. Is this a repeatable course? ☑ Yes  □ No If yes, this course may be taken 3 times.

Will this course be repeated within the same semester? ☑ Yes  □ No

8. Will this course be submitted to the Core Curriculum Council? ☑ Yes  □ No

9. How will this course be graded: ☑ Grade  □ S/U  □ P/F (Pass/Fail)

10. This course will:

   a. be required for students enrolled in the following degree program(s) (e.g., B.A. in history)

   b. be elective for students enrolled in the following degree program(s) (e.g., MS, Ph.D. in geography)

11. BS BAEN

If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

12. ☑ I verify that I have reviewed the FAQ for Expert Control Bases for Distance Education (http://sys.tamu.edu/acad_req/teacntlctrl/bases_for_distance_education)

13. Prefix  Courses  Title (excluding punctuation)

<table>
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<th>BAEN</th>
<th>484</th>
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Approval recommended by:

Stephen W. Stoney  John Smith  John Doe

Department Head or Program Chair (Type, Name & Sign)  Date

Submitted to Coordinating Board by:

Chair, GC or UCC  Date

Questions regarding this form should be directed to Sandra Williams at 345-2201 or sandra.williams@tamu.edu

Curricular Services - 07/14
Course title and number  BAEN 484: Internship
Term  Summer 2017
Meeting times and location  TBA

Course Description
Practical experience working in a professional biological and agricultural engineering setting

Prerequisites
U3 or U4 classification.

Learning Outcomes
Upon completion of the internship experience students will have the ability to:
1. Formulate and solve engineering problems.
2. Communicate effectively through a written report of the internship experience.
3. Apply the techniques, skills and engineering tools necessary for solving complex engineering problems.

Instructor Information
Name  Dr. Patricia Smith
Telephone number  979-845-3630
Email address  patti-smith@tamu.edu
Office hours  By appointment
Office location  SCTS 303 I

Textbook and/or Resource Material
None

Grading Policies
The course is evaluated based on submission of a written summary of the internship experience. If the student fails to submit a summary following the internship, then the student receives an Unsatisfactory grade.

Grading Scale:
Satisfactory … turned in a written report addressing at least 70% of the learning outcomes
Unsatisfactory … did not turn in a written report or did not address at least 70% of the LO’s

Attendance Policy
A component of the ethical responsibility of an engineer is exhibiting good work habits and respect for the time and effort of others. Prompt completion of the assignment and considerate behavior are thus expected of all students in the course. The University views class attendance as the responsibility of an individual student. Attendance is essential to complete the course successfully. University rules related to excused and unexcused absences are located on-line at http://student-rules.tamu.edu/rule07.
Americans with Disabilities Act (ADA)

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information, visit http://disability.tamu.edu

Academic Integrity

“An Aggie does not lie, cheat, or steal, or tolerate those who do.”

For additional information please visit: http://aggiehonor.tamu.edu
Texas A&M University
Departmental Request for a New Course
Undergraduate ● Graduate ● Professional
● Submit original form and attach a course syllabus.

Form Instructions
1. Course request type: ✓ Undergraduate □ Graduate □ First Professional (DDS, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name): Department of Plant Pathology and Microbiology/Bioenvironmental Sciences
3. Course prefix, number and complete title of course: BESC311 - International Perspectives on Environmental Issues
4. Catalog course description (not to exceed 50 words):
Role of the UN and other institutions that promote international cooperation toward sustainable development goals; influence of cultural views on critical thinking about environmental issues, including population, water and agriculture, biodiversity, and energy.

5. Prerequisite(s): Junior classification or approval from instructor. Students must attend two mandatory pre-departure meetings.

Cross-listed with: Stacked with:

Cross-listed courses require the signature of both department heads.

6. Is this a variable credit course? □ Yes ✓ No
7. Is this a repeatable course? □ Yes ✓ No
   If yes, this course may be taken _____ times
   If yes, from _____ to _____
8. Will this course be repeated within the same semester? □ No ✓ Yes
9. How will this course be graded?
   □ Grade ✓ S/U □ P/F (CLMD)
   □ No
10. This course will be:
   a. required for students enrolled in the following degree programs(s) (e.g., B.A. in history)
   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

   undergraduate general academics (undergraduate course)

11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.
12. ✓ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controles-basics-for-distance-education).

13. Prefix Course # Title (excluding punctuation)

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<th>BESC</th>
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Level 3

Approval recommended by: Leland S. Pierson III - Department Head or Program Chair (Type Name & Sign) Date

Chair, College Review Committee Date

Kim Dooley - Department Head or Program Chair (Type Name & Sign) Date

Chair of College Date

Submitted to Coordinating Board by: Chair, GC or UCC Date

Associate Director, Curricular Services Date

Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 07/14
BESC 311 - International Perspectives on Environmental Issues

3 credit hours - Study Abroad China

Summer 2016 (5 week), Fujian Agriculture and Forestry University
Fuzhou, China

16 x 100 minute lectures
14 x 60-90 minute cultural activities/lectures

COURSE DESCRIPTION and RATIONALE:
This is a faculty-led study abroad course taught in Fuzhou, China. The location will heighten the awareness of the international perspective of the course and permit a direct interaction of TAMU and Chinese students (and other international students) through joint activities and discussion. Through these activities, different cultural perspectives can be examined. International environmental issues are becoming more important as the rapid industrialization of the developing world is producing pollution that affects the producing nation, neighbors, and the global environment (e.g., greenhouse gases). The developing world is facing many of the same issues that the US and other nations with advanced economies continue to address. This course is designed to help Texas A&M students gain an international perspective on how the global economy impacts the world and US environmental issues. An understanding of international efforts to assist in sustainable economic and social development to protect human health and the natural environment is essential for citizens of a global community. This course will provide an introduction to the relevant United Nations Programmes and consideration of factors related to sustainable development. Although sustainable development is essential for the survival of humanity, different cultural views can lead to conflict that may delay or prevent implementation of sustainable development goals. Therefore, the impact of culture and worldview will be considered.

Instructor: Dr. Daniel J. Ebbole, Professor
Undergraduate Program in Bioenvironmental Sciences
Department of Plant Pathology and Microbiology
Texas A&M University
d-ebbole@tamu.edu

Learning Outcomes:
• Demonstrate an understanding of Chinese culture and worldviews.
• Give examples of how worldview can impact critical thinking.
• Explain what sustainability means in a historical context and in a modern, global context.
• Explain the socioeconomic factors that impact the environment.
• Explain the demographic transition and how socioeconomic factors influence it.
• Evaluate the role of the United Nations in global environmental and sustainability issues
• Explain the origin of the MDGs and how they have evolved to the newer SDGs.
• Analyze the main challenges to sustainability and their overlapping nature.
• Assess how bioenvironmental sciences play a role in agriculture, biodiversity and ecosystem services research.
• Synthesize conclusions about the state of climate science research and the impact of climate change on sustainable development.

Text Books: None. All notes and reading materials will be provided. Prerequisites:
Junior classification or approval from instructor. Students must attend two mandatory meetings with the study abroad program office.
**Grading:**

The graded components of the course are as follows:
- Midterm Exam: 25%
- Participation in classroom activities/discussion: 20%
- Reflective writing assignments (4 x 4%): 16%
- Reflective oral final presentation (5 min powerpoint): 7%
- Poster version of final presentation: 7%
- Final Exam: 25%

Your final grade will be determined based on the following scale:

<table>
<thead>
<tr>
<th></th>
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<th>80.0≤X&lt;90.0</th>
<th>70.0≤X&lt;80.0</th>
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<td>A</td>
<td>B</td>
<td>C</td>
<td>D</td>
<td>F</td>
</tr>
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</table>

**Lecture topics.**

Week 0.
- Travel preparations, pre-travel reading, and travel to China.

Week 1.
- Critical thinking and worldviews
- Basis for environmental governance locally and internationally
- Sustainable development: Society, Economy, and Environment
- Projections of population growth; Reflection 1 due.
- Introduction to the United Nations, Environmental programs in the UN
- Mountain hike to Fujian Academy of Agricultural Sciences rice research station

Week 2.
- Stockholm, Rio, Agenda 21; Reflection 2 due.
- Sustainable Development Goals

**Mid term Exam**
- Agriculture, Food Security and the impact of climate change
- Water and the impact of climate change; Reflection 3 due.
- Travel to Xiamen Botanical Gardens by High Speed Rail

Week 3.
- Biodiversity and Ecosystems and the impact of climate change, CBD
- Valuing Nature
- Energy and the impact of climate change
- Climate Science, UNFCCC
- Travel by High Speed Rail to Wuyi Mountains UNESCO Heritage Site

Week 4.
- Climate Change and Critical Thinking
- Climate Change Adaptation and Mitigation Presentations; Reflection 4 due, poster due.

**Final Exam**
- Travel to Beijing, and tour prior to departure.
Disabilities: The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, in Cain Hall, Room B118, or call 845-1637. For additional information visit http://disability.tamu.edu.

Academic Honesty: An Aggie does not lie, cheat or steal, or tolerate those who do. All students at Texas A&M University are expected to abide by the Aggie Code of Honor (http://aggiehonor.tamu.edu/). Any behavior inconsistent with the code including but not limited to plagiarism and academic dishonesty will be dealt with in accordance with TAMU policies and Student Rules. Ignorance of the rules does not exclude any member of the TAMU community from the requirements or the processes of the Honor System.

Graded activities.
Exams (50 min) Midterm 25%, Final 25%
Exams will be short answer and essay based. The purpose of the exam is to gauge the student’s understanding of the issues under consideration.

Participation (20%)
Participation in discussions in class is expected and will be noted by the instructor. Showing up on time is important (9 am). Classroom discussion will be guided by the lecture material. Grading Rubric. Student is prepared and able to meaningfully contribute (5 points); student seems to have prepared somewhat (3-4 points); student participates but is ill-prepared (1-2 point); student refuses to speak (0 points). Attendance: Make-up for all work missed for excused absences will be provided by the instructor. See http://student-rules.tamu.edu/rule07. Each unexcused absence will lead to a deduction of 7% and possibly lead to disciplinary action after two such absences, at the discretion of the instructor. Disciplinary action may include dismissal from the study abroad program.

Presentation (7%) Final powerpoint presentation on class topic and impact of the course and study abroad experience on student worldview. In this assignment the student should integrate a topic in the course, with the student’s experience in China, to synthesize a presentation of a change in the student’s view of global sustainability relative to their view prior to study abroad. This is to be a 5 minute presentation. The instructor will grade the assignment based on the overall presentation, the clarity of the statement of the pre-course and post-course view and, how it relates to one or more course topics, and the ability to finish within 1 minute of the 5 minute time period. Bottom line: What did you learn in China that was most interesting and relates to how you think about sustainable development?

Poster (7%). A poster that describes the aspect of the course discussed in your presentation and highlights the integration of course material with the experience of being in China will be made following the departmental template for study abroad posters. The poster should highlight the bottom line of your presentation. The posters will be submitted for presentation at the annual fall BESC symposium to highlight the study abroad program.

Reflections (16%). Four written assignments will be given (4% each). The writing assignments will be turned in as Word or rich text format documents. These will be graded and returned to the students. These min 250, max 500 word essays should be reflections on the course material and the experience of interacting with the international students in the classroom as well as discussions that occur outside the classroom. Writing Rubric below:
Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
• Submit original form and attach a course syllabus.

Form Instructions

1. Course request type:  🔵 Undergraduate  ☐ Graduate  ☐ First Professional (DDS, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name):  College of Architecture
3. Course prefix, number and complete title of course:  CARC 181 First Year Seminar

4. Catalog course description (not to exceed 50 words):  Seminar on various contemporary topics; introduction to high quality college instruction and research; focus on writing, speaking, exploration, discussion and research.

5. Prerequisite(s):  First time in College CLAR Undergraduate Students

Cross-listed with:  
Stacked with:  

Cross-listed courses require the signature of both department heads.

6. Is this a variable credit course?  ☐ Yes  🔵 No  If yes, from _____ to _____
7. Is this a repeatable course?  ☐ Yes  ☐ No  If yes, this course may be taken ___ times.

Will this course be repeated within the same semester?  ☐ Yes  ☐ No

8. Will this course be submitted to the Core Curriculum Council?  ☐ Yes  ☐ No

9. How will this course be graded:  ☐ Grade  ☐ S/U  ☐ P/F (CLMD)
10. This course will be:

a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)

b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

Any College of Architecture Undergraduate Program

11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

12. ☐ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

13. Prefix  Course #  Title (excluding punctuation)
CARC  181  FIRST YEAR SEMINAR

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Approval recommended by:

Leslie Feigenbaum  
Department Head or Program Chair (Type Name & Sign)  Date

Leslie Feigenbaum  
Chair, College Review Committee  Date

Jorge Vaneagas  
Dean of College  Date

Chair, GC or UCC  Date

Submitted to Coordinating Board by:

Associate Director, Curricular Services  
Date  Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 07/14
| Course title and number | FRESMAN ACADEMIC SUCCESS SEMINAR  
| Term Fall 2015 | CARC-181  
| Meeting times and location | Fall 2016  
| | CLASS TIME: Tuesdays 3:55-4:45 PM; LOCATION: EDCT 225  

### Course Description and Prerequisites

Seminar on various contemporary topics; introduction to high quality college instruction and research; focus on writing, speaking, exploration, discussion and research.

The Success Programs are designed to help first generation students in achieving their educational goals at Texas A&M University. The goal of the program and its various facets is to help ease students' transitions to university life and improve their odds for collegiate success, thereby improving College and University retention and graduation rates.

### Learning Outcomes or Course Objectives

**Course Objectives**

At the end of this semester, students will be familiar with and aware of:

1. The academic success skills and habits of a successful college student;
2. The resources available on campus and how to access them; and,
3. And developed a community of support through collaborative experiences and exercises.

### Instructors Information

<table>
<thead>
<tr>
<th>Name</th>
<th>Dr. Dave Wentling,</th>
</tr>
</thead>
</table>
| Telephone number | 458-4196 (DJW) ;  
| Email address | david-j-wentling@tamu.edu;  
| Office hours | By Appointment  
| Office location | 219C  

### Textbook and/or Resource Material

**Required Materials**

There is no required textbook for this class. Also class material will be distributed in class or available via eCampus.

### Grading Policies
The course will mainly consist of presentations from various academic resources on campus, and small group discussions facilitated by instructors. **Attendance is taken daily.** CARC 181 is a one hour credit graded course.

**Student responsibility**
1. If you arrive late to class, leave early or miss class entirely, you must notify instructor.
2. Check TAMU email account and eCampus for any class updates or reminders.
3. Participate daily and evaluate speakers.
4. Complete handwritten (legibly) all class assignments.
5. Any student failing any courses at mid-term of this semester will be required to participate in the Student Counseling Service, LASSI Workshop and attend at least one academic counseling session at the Student Counseling Service Center.

**Attendance**
The majority of the learning in CARC 181 takes place in the classroom activities, lectures and group interaction, thus attendance is an important part of the grade received. **Attendance equates to showing up on time for class, listening and participating in class discussions.** Sleeping, reading materials other than those required for class, talking or texting on cell phone, being late for class and not attending will result in loss of attendance points and/or being asked to leave the classroom. **Students are allowed one unexcused absence, anymore will result in a loss of points from the final grade for each unexcused absence.** Attendance points can be made up by researching the topic covered on the missed day and presenting that topic to the class during an “open discussion” day. A one page summary must be given to the class facilitator. The presentation must be informative and be 3-5 minutes long. Student participating in official university excuses must present excuse letters to the instructor BEFORE the absence and make arrangements for completing activities and assignments. Excuses due to medical reasons must be documented by personal physician or student health center.

**Grading System**

- Assignments and exercises for daily topics are due the next class period.
- Keep class notes and handouts.

**Make-up for excused absences**

It will be the student’s responsibility to make arrangements for making up any class sessions missed with an excused absence. Students may contact the person presenting that day’s topic and make arrangements to make-up that session (a list of contact people and numbers is provided). Be sure to make your arrangements early because there is no guarantee of the availability of these people. OR students may research the topic missed that day by writing a one page summary. **MISSED DAYS MUST BE MADE UP WITHIN 30 DAYS OF THE EXCUSED ABSENCE!**

Please refer to the Student Rule 7 regarding Academics at [http://student-rules.tamu.edu](http://student-rules.tamu.edu).

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### Course Topics, Calendar of Activities, Major Assignment Dates

<table>
<thead>
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<th>Week</th>
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<td>Dave Wentling</td>
</tr>
<tr>
<td>2</td>
<td>TAMU Academic/Student Rules/Appeals</td>
<td>Dave Wentling</td>
</tr>
</tbody>
</table>
### Time Management & Accountability

**Study Success Strategies** (reading text, taking notes, test prep, test taking)

**Learning Styles Strategies**

**Stress Management & Test Anxiety**

**What's on YOUR mind? (Open Class Discussion)**

**Post Test Analysis**

**Smart Reading Strategies**

**Communication & Active Listening**

**Maintaining Focus**

**Responsible Behavior**

**NO CLASS – Thanksgiving Holiday**

**Conquering Finals/Semester Wrap-Up**

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**Other Pertinent Course Information**

**Assignments:**
- 3 Reaction Papers on Invited Speakers
  
  **Each paper is to 1-page typed and is due before the next class period following the guest lecture.**

- 2 university activities, events, or facility tours.
  
  **#1 is due by 10/2/14; #2 is due by 12/5/14**

***Topic order subject to change depending on speaker availability***

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**Americans with Disabilities Act (ADA)**

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**Academic Integrity**

*For additional information please visit: [http://aggiehonor.tamu.edu](http://aggiehonor.tamu.edu)*

*“An Aggie does not lie, cheat, or steal, or tolerate those who do.”*

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**Attendance Policy and Grading Scale Examples**

**Attendance Policy:**
"The University views class attendance as the responsibility of an individual student. Attendance is essential to complete the course successfully. University rules related to excused and unexcused absences are located on-line at http://student-rules.tamu.edu/rule07."

**Grading Scale:**

*Standard Letter Grading Scale:*

A = 90-100  
B = 80-89  
C = 70-79  
D = 60-69  
F = <60

Class total points:

- 30 points- Attendance **(2 or more unexcused absences will result in in a reduction of one letter grade for your final grade)**
- 30 points- Reaction comment paper to invited speakers (10 pts. ea.)
- 20 points- Attendance at university event or tour of university location (10 pts. ea.)
- **10 points- Participation**
- 10 points Active engagement in class activities

Total 100 points
Texas A&M University
Departmental Request for a New Course
Undergraduate  □  Graduate  □  Professional  □
Submit original form and attach a course syllabus.

Form Instructions

1. Course request type:  □ Undergraduate  □ Graduate  □ First Professional (DDS, MD, JD, PharmD, DVM)

2. Request submitted by (Department or Program Name): INTERNATIONAL STUDIES

3. Course prefix, number and complete title of course: CHIN 405 MODERN CHINESE FICTION

4. Catalog course description (not to exceed 50 words):
Analysis of major Chinese literary and other prose works of the twentieth and twenty-first centuries; taught in English. May be repeated for credit.

5. Prerequisite(s):
   Junior or senior classification, or approval of instructor.

6. Is this a variable credit course?  □ Yes  □ No  If yes, from _____ to _____

7. Is this a repeatable course?  □ Yes  □ No  If yes, this course may be taken _____ times.

8. Will this course be repeated within the same semester?  □ Yes  □ No

9. Will this course be submitted to the Core Curriculum Council?  □ Yes  □ No

10. How will this course be graded:  □ Grade  □ S/U  □ P/F (CLMD)

11. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)

12. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

13. Prefix  □  Course #: Title (excluding punctuation)

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<th>MODERN CHINESE FICTION</th>
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Approval recommended by:
   Robert R. Shandley 11/16/15

Chair, College Review Committee 11-16-15

Dean of College 11-18-15

Submitted to Coordinating Board by:
   Associate Director, Curricular Services

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu.
Curricular Services – 07/14
CHIN 405 • Modern Chinese Fiction
Gender Issues in Modern Chinese Literature

Dr. Jun Lei
office: ACAD 230D
day hours: TR 1:00-2:00, or by appt.
j2lei@tamu.edu
phone: 845-2124 (INTS office)

Texas A&M University
Spring 2017
class meeting: TR 11:10-12:25
ACAD 130

Course description
Analysis of major Chinese literary and other prose works of the twentieth and twenty-first centuries; taught in English. May be repeated for credit.

In this course, we will critically examine select Chinese short stories and novels to explore changing notions of femininities and masculinities in the 20th century. We pay particular attention to how writers negotiated “private self” and “public image” in constructing modern gendered identities through fiction, and how their works represent the experience of being a man and a woman in key historical moments such as the New Culture Movement (mid 1910s to mid-1920s), the radicalization of politics and literature (late 1920s to 1930s), the second Sino-Japanese War (early 1930s- to mid-1940s in its broad sense), and the post-socialist period (1980s and 1990s). The majority of the works we read are produced in the Republican era (1911-1949) by authors such as Lu Xun, Yu Dafu, Ba Jin, Sai Pingmei, Lu Yin, Ding Ling, and Zhang Ailing, but we will also read Mo Yan’s and Wang Anyi’s novels written in the 1990s.

This course, in addition to familiarizing you with major topics concerning gender issues in the 20th-century Chinese context, will also introduce basic theoretical tools you need to critically analyze textual materials from the gender perspective.

This course requires reading Chinese novels and short stories in English translation, as well as secondary sources in English, thus no knowledge of the Chinese language is required.

Prerequisites
Junior or senior classification, or approval of instructor.

Learning outcomes
Upon successful completion of the course students will be able to:
• Identify major modern Chinese writers;
• Interpret and analyze thematic and formal aspects of Chinese literary and other prose forms; and
• Formulate the relationship between gender, identity, and cultural production.

Required course materials

Lu Xun’s works online (here after lx-archive): https://www.marxists.org/archive/lu-xun/index.htm

All other course readings will be available through eCampus.
Course requirements and evaluation

Class participation 10%
2 Response papers 30%
Presentation 10%
Final paper 20%
Midterm exam 15%
Final exam 15%

Grading scale: 90-100 = A; 80-89 = B; 70-79 = C; 60-69 = D; 0-59 = F

Participation: Moderated participation in discussions helps you to focus on important questions, encourages you to grapple with key issues, and enhances intellectual exchange among peers. You are expected to come to each class having watched the required films, read the required book chapters and/or articles, and prepared to discuss them in detail. I prefer you NOT use your laptops in class. But if you need to, please be advised that your laptop ONLY be used for the purposes of presentation, reading required materials, and/or taking notes.

Response papers: Each response is a double-spaced, 2-3 page paper, in which students make an argument about one of the literary works and provide evidence to support their argument. The two response papers should address different works. Mere factual information, character profile, or plot summary WILL NOT suffice. If you have difficulty coming up with your own argument, simply identify an argument from one of the required readings (with direct quotations and page numbers) and discuss it in relation to the novel or story. Grade will be based on presentation of argument (clarity and depth), detailed prose analysis, and writing (coherence, transitions, grammar, style). Papers submitted more than two days late will not be graded, except in the case of university-approved excused absence.

Presentation: At the end of the second week, all students will sign up for presentations on readings scheduled during Weeks 3-14. Each individual presenter has 10 minutes including Q&A. You are expected to identify arguments of the reading and major evidences that support the argument. Presentation grade will be based on focus, coherence, clarity, timing, and effectiveness of your delivery.

Final paper: The final paper is on a topic of choice on two or more of the Chinese literary works from the syllabus. The final paper should analyze works that are NOT discussed in response papers. The paper should be 5-8 pages (not including works cited pages), typed, and double-spaced. The paper will be graded on quality of argument, details of Literary analysis, incorporation of readings, and writing (style, clarity, structure, and grammar). Papers submitted more than two days late will not be graded, except in the case of university-approved excused absence.

Midterm and Final exams: The exams are to provide an opportunity for you to apply your analytical skills and synthesize your knowledge accumulated during the course. Each exam consists of identification questions and essay questions. Exams cannot be made up except in the case of a university-approved excused absence.

Absences
Attendance in class is mandatory. For each unexcused absence, student’s final course grade will be reduced 5 full percentage points. University rules related to excused and unexcused absences are located on-line at http://studentrules.tamu.edu/rule07.

Academic integrity
"An Aggie does not lie, cheat or steal, or tolerate those who do.“ You are expected to be aware of the Aggie Honor Code and the Honor Council Rules and Procedures, stated at http://aggiehonor.tamu.edu/.

Disabilities
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus.
Weekly Schedule

Week 1  Introduction to Gender and Self in Modern Chinese Literature
T.  Introduction to the course
R.  Tam, "Introduction to Gender, Discourse and the Self in Literature" (eCampus)

Week 2  Chinese Male Subjectivity
T.  Zhong, Xueping. On Chinese Male Subjectivity (eCampus)
R.  *Sign-up for presentations*
    Zhong, Xueping. On Chinese Male Subjectivity (eCampus)

Week 3  Chinese Female Subjectivity
T.  Feng, Jin. “The New Woman” (eCampus)
R.  Dooling, Ary. “Introduction” to Writing Women (eCampus)

Week 4  Emotionality, Self, and the Modern Man
T.  Lee, Leo. From The Romantic Generation on Yu Dafu (eCampus)
    Lu, Xun. “A Madman’s Diary” (1918) (eCampus); “Kong Yiji” (1919) (“Kung I-chi,” Ix-archive)
R.  Yu, Dafu. “Sinking” (1921) (eCampus)
    Lu, Xun. “Regret for the Past” (1925) (Ix-archive)

Week 5  Emotionality, Self, and the New Woman
T.  *First response paper due*
    Lu, Yin. “After Victory” (1925) (eCampus)
    Shi, Pingmei. “Lin Nan's Diary” (1928) (eCampus)
    Stevens, Sarah. “The New Woman and the Modern Girl” (eCampus)
R.  Lin, Shuhua “Embroidered Pillow” (1928?) (eCampus)
    Ding, Ling. “Miss Sophia's Diary” (1928) (eCampus)
    Ding, Ling. “Shanghai Spring, 1930 I” (1930) (eCampus)

Week 6  Revolution Plus Love: Challenging the Feminine Tradition of Chinese Literature?
T.  Larson, Wendy. “The End of ‘Funi Wuxue’” (eCampus)
R.  Liu, Jianmei. Chapter 1 of Revolution Plus Love (eCampus)

Week 7  Mid-Term Review and Exam
T.  Mid-term review
R.  Mid-term exam

Week 8  Revolution Plus Love Continued
T.  Mao, Dun. Rainbow (1929), chapters 1-5
R.  Mao, Dun. Rainbow, chapters 6-10

Week 9  Men and Women in War Times: Zhang Ailing’s Alternative Narratives
T.  Zhang, Yinjing. “Witness Outside History” (eCampus)
    Zhang, Ailing. “Love in a Fallen City” (1942) (eCampus)
R.  Zou, Lin. “Commercialization of Emotions” (eCampus)
    Zhang, Ailing. “Sealed Off” (eCampus)

Week 10  Men and Women in War Times: “Soft Masculinity” in Ba Jin
T.  *Second response paper due*
    Tang, Xiaobing. Chapter 4, p131-146 (eCampus)
    Ba, Jin. Cold Nights (1947), chapters 1-15
R.  Tang, Xiaobing, Chapter 4, p146-160 (eCampus)
    Ba, Jin. Cold Nights, chapters 16-31
Week 11  Fin de siècle Fiction: Mo Yan’s Depiction of Masculinity and Femininity
T. Cai, Rong. “Problematising the Foreign Other” (eCampus)
R. Mo, Yan. Big Breasts and Wide Hips (1996), chapters 1-18

Week 12  Mo Yan Continued
T. Big Breasts and Wide Hips, chapters 19-36
R. Big Breasts and Wide Hips, chapters 37-63

Week 13  Fin de siècle fiction: Wang An’yi’s Depiction of Masculinity and Femininity
T. Zhang, Xudong. “Shanghai Nostalgia” (eCampus)
R. Wang, Anyi. The Song, part II

Week 14  Wang An’yi continued
T. Wang, Anyi. The Song, part III
Ban, Wang. “Love at Last Sight” (eCampus)
R. *Final paper due*
Review

Final Exam: To be scheduled on day/time set by University Registrar.
Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
• Submit original form and attach a course syllabus.

Form Instructions
1. Course request type: □ Undergraduate □ Graduate □ First Professional (DVM, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name): INTERNATIONAL STUDIES
3. Course prefix, number and complete title of course:
   CHIN 465 CHINESE FILM

4. Catalog course description (not to exceed 50 words):
   Consideration and analysis of major works and directors of Chinese Film; interpretation of culture through film; relationship of film to history, literature, and other arts; taught in English. May be repeated for credit.

5. Prerequisite(s):
   Junior or senior classification; or approval of instructor.
   Cross-listed with: FILM 465
   Stacked with:
   Cross-listed courses require the signature of both department heads.

6. Is this a variable credit course? □ Yes □ No
   If yes, from ________ to ________

7. Is this a repeatable course? □ Yes □ No
   If yes, this course may be taken ________ times.
   Will this course be repeated within the same semester? □ Yes □ No

8. Will this course be submitted to the Core Curriculum Council?
   □ Yes □ No

9. How will this course be graded?
   □ Grade □ S/U □ P/F (CLMD)

10. This course will be:
    a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)
    b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)
       B.A. in International Studies; Minor in Chinese; Minor in Film Studies; Minor in Asian Studies; undergrad general academics

11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

12. □ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://ypr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

13. Prefix Course # Title (excluding punctuation)
   CHIN 465 CHINESE FILM
   Lect. Lab Other SCII CIP and Fund Code Admin. Unit Acad. Year FICE Code
   3.00 0.00 0.00 3.00 0501040001 1663 16 - 17 0 0 3 6 3 2
   Approval recommended by:
   Robert R. Shandley 11/15/15
   Department Head or Program Chair (Type Name & Sign) Date
   Steven M. Oberhelman 11/15/15
   Department Head or Program Chair (Type Name & Sign) Date
   (if cross-listed course)
   Chair, College Review Committee 11/15/15
   Date
   Dean of College 11/15/15
   Date
   Submitted to Coordinating Board by:
   Associate Director, Curricular Services

   Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
   Curricular Services – 07/14

   RECEIVED CURRICULAR SERVICES
   NOV 20 2015
CHIN 465 • Chinese Film

Dr. Jun Lei
Texas A&M University
office: ACAD 230D
Spring 2017
distance learning: TR 11:10-12:25
j2lei@tamu.edu
office hours: TR 1:00-2:00, or by appt.
phone: 845-2124 (INTS office)

Course description
Consideration and analysis of major works and directors of Chinese Film; interpretation of culture through film; relationship of film to history, literature, and other arts; taught in English. May be repeated for credit.

This course is a critical examination of select Chinese films produced as early as 1922 and as late as 2013. We will consider both the aesthetics of Chinese film art and the socio-historical context embedded in the film. Films studied in the course are mostly comprised of Chinese mainland productions. One question central to the course is how Chinese cinema reflects and at the same time impacts the Chinese way of pursuing modernity and national and individual identities in different historical periods in the past century. The course is mostly arranged in chronological order; each week’s readings, discussions and screenings are thematically related. Major themes include: gender and class, socialist aesthetics, trauma and Chinese national identity, globalization and commercialism, independent films as unofficial history, etc.

Critical pieces are in English and films will have English subtitles or printed scripts, thus knowledge of Chinese is a plus but not required.

Prerequisites
Junior or senior classification, or approval of instructor.

Learning outcomes
Upon successful completion of the course students will be able to:
- Identify major directors and film movements in Chinese cinema;
- Interpret and analyze thematic and formal aspects of visual communication in film form; and
- Formulate the relationship between Chinese cinema and the socio-political context of its production.

Required course materials

All other course readings will be available through eCampus. All films will be available for digital streaming through: mediamatrix.tamu.edu.

Course requirements and evaluation
- Class participation: 10%
- 2 Response papers: 30%
- Presentation: 10%
- Final paper: 20%
- Midterm exam: 15%
- Final exam: 15%

Grading scale: 90-100 = A; 80-89 = B; 70-79 = C; 60-69 = D; 0-59 = F

Participation: Moderated participation in discussions helps you to focus on important questions, encourages you to grapple with key issues, and enhances intellectual exchange among peers. You are expected to come to each class having watched the required films, read the required textbook chapters and/or articles, and prepared to discuss them in detail. I prefer you NOT use your laptops in class. But if you need to, please be advised that your laptop ONLY be used for the purposes of presentation, reading required materials, and/or taking notes.
Response papers: Each response is a double-spaced, 2-3 page paper, in which students make an argument about one film and provide evidence to support their argument. The two response papers should address different films. Mere factual information, character profile, or plot summary WILL NOT suffice. If you have difficulty coming up with your own argument, simply identify an argument from one of the required readings (with direct quotations and page numbers) and discuss it in relation to the film. Grade will be based on presentation of argument (clarity and depth), detailed film analysis, and writing (coherence, transitions, grammar, style). Papers submitted more than two days late will not be graded, except in the case of university-approved excused absence.

Presentation: At the end of the second week, all students will sign up for presentations on films and readings scheduled during Weeks 3-14. Each individual presenter has 10 minutes including Q&A. You are expected to identify arguments of the reading and major evidence that support the argument. Presentation grade will be based on focus, coherence, clarity, timing, and effectiveness of your delivery.

Final paper: The final paper is on a topic of choice on Chinese films, preferably related to topics and readings on the syllabus. The final paper should analyze at least two films that are NOT discussed in response papers. The paper should be 5-8 pages (not including works cited pages), typed, and double-spaced. The paper will be graded on quality of argument, details of film analysis, incorporation of readings, and writing (style, clarity, structure, and grammar). Late papers will not be graded, except in the case of university-approved excused absence.

Midterm and Final exams: The exams are to provide an opportunity for you to apply your analytical skills and synthesize your knowledge accumulated during the course. Each exam consists of identification questions and essay questions. Exams cannot be made up except in the case of a university-approved excused absence.

Absences
Attendance in class is mandatory. For each unexcused absence, student’s final course grade will be reduced 5 full percentage points. University rules related to excused and unexcused absences are located on-line at http://student-rules.tamu.edu/rule07.

Academic integrity
"An Aggie does not lie, cheat or steal, or tolerate those who do." You are expected to be aware of the Aggie Honor Code and the Honor Council Rules and Procedures, stated at http://aggiehonor.tamu.edu/.

Disabilities
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information, visit http://disability.tamu.edu.

***

Weekly Schedule

Section 1: Chinese Films in the Republican Era (1912-1949)

Week 1
T. Course introduction + syllabus
   Reading: Zhang, Chinese National Cinema, 13-57

R. Films in the 1920s: From Chinese traditional opera to early Chinese cinema
   Reading: Zhen Zhang on Laborer's Love, 27-50
   Film: Laborer’s Love (Zhang Shichuan, 1922), 22 m, screening in class
Week 2
T. National crisis and left-wing cinema in the 1930s
   Reading: Zhang, Chinese National Cinema, 58-83; Pang on the left-wing cinema movement, 37-69
R. *Sign-up for presentations*
   Reading: Berry on Big Road
   Film: Big Road (Sun Yu, 1934), streaming

Week 3
T. “New Women” on and off the leftist film screen
   Reading: Harris, “Fallen Woman of Shanghai,” in Berry, Chinese Films, 128-136
   Film: The Goddess (Wu Yonggang, 1934), streaming
R. Reading: Harris on New Woman, 277-302
   Film: New Woman (Cai Chusheng, 1935)
   Film available at: https://www.youtube.com/watch?v=FXpmp3sKKM
   Film script: http://www.osu.edu/mlc/online-series/new-woman/

Week 4
T. Disintegration of family in postwar cinema in the 1940s
   Reading: Zhang, Chinese National Cinema, 83-112; Pickowicz on postwar films, 121-156
   Film clips in class: A Spring River Flows to the East (Cai Chusheng, 1947); Far Away Love (Chen Liting, 1947)
R. Reading: Fitzgerald on Spring in a Small Town, in Berry, 205-211
   Film: Spring in a Small Town (Fei Mu, 1948), streaming
   Film Script: http://www.osu.edu/mlc/online-series/spring/

Section II: Chinese Films in the Socialist Era (1949-1978)

Week 5
T. Socialist cultural scenes in the first 17 years
   *First response paper due*
   Reading: Zhang, Chinese National Cinema, 189-224; Pickowicz on socialist cultural scene
   Film clips in class: My Day Off (Lu Ren, 1959); Lin Zexu (Zhen Junli, 1959)
R. Reading: Yau on politics of class in White-Haired Girl, 138-171
   Film: White-Haired Girl (Wang Bin and Shui Hua, 1950), streaming
   Film script: http://www.osu.edu/mlc/online-series/white/

Week 6
T. Reorientation of gender in socialist China
   Reading: Cui on socialist cinema, 52-64
R. Harry Kuo on The White-Haired Girl and Li Shuangshuang, 71-94
   Film: Li Shuangshuang (Li Zhun, 1962), streaming

Week 7
T. Mid-term review
R. Mid-term exam

Week 8
T. Towards a socialist aesthetics of Chinese characteristics
   Reading: Chi on Red Detachment of Women, in Berry, 189-196; Cui on Red Detachment of Women, 79-95
   Film: Red Detachment of Women (Xie Jin, 1961), streaming
Th. Reading: Cui on socialist cinema, 64-74
   Film clips in class: Yang Banxi: 8 Model Works
   Film available at: https://vimeo.com/114648184

Spring Break March 14-18
Section III: Chinese Films in the Post Socialist Era (1978- )

Week 9
T. Cultural critique from Xie Jin to the Fifth Generation
   Reading: Zhang, Chinese National Cinema, 226-240 and 285-289; Clark on the Fifth Generation, 121-135
R. Reading: Callahan, “Gender, ideology, nation”
   Film: Ju Dou (Zhang Yimou, 1991), streaming

Week 10
T. Trauma, memory and identity in the Fifth Generation films
   *Second response paper due*
   Reading: Xudong Zhang on The Blue Kite, 623-638
   Film: The Blue Kite (Tian Zhuangzhuang, 1993), streaming
R. Reading: Rey Chow on To Live, 1039-1064
   Film: To Live (Zhang Yimou, 1994), streaming

Week 11
T. Gender politics in the Fifth Generation films
   Reading: Braester on Farewell My Concubine, in Berry, 106-113; Lau on Farewell My Concubine, 16-27
   Film: Farewell My Concubine (Chen Kaige, 1993), streaming
R. Reading: Cui on Ju Dou, 127-148

Week 12
T. Commercialism and Feng Xiaogang phenomenon
   Reading: Macgrath on Feng Xiaogang’s films, 90-132
   Film clips in class: Party A, Party B (1997); Be There or Be Square (1998)
R. Reading: Yingjin Zhang on Big Shot’s Funeral, in Berry, 17-24
   Film: Big Shot’s Funeral (Feng Xiaogang, 2001), streaming

Week 13
T. The Sixth Generation: from underground to independent
   Reading: Pickow cz on independent filmmaking
R. Independent films as unofficial history and social protest
   Reading: Noble, “Blind Shaft,” in Berry, 17-26
   Film: Blind Shaft (Li Yang, 2004), streaming

Week 14
T. Chinese and Hollywood elements in Jia Zhangke’s films
   Reading: Xiao on A Touch of Sin, 24-35
   Film: A Touch of Sin (Jia Zhangke, 2013), streaming
R. *Final paper due*
   Final Review

Final exam: To be scheduled on day/time set by University Registrar.
Texas A&M University
Departmental Request for a New Course
Undergraduate + Graduate + Professional
• Submit original form and attach a course syllabus.

Form Instructions:
1. Course request type:  [ ] Undergraduate  [ ] Graduate  [ ] First Professional (e.g., M.D., Pharm.D., D.V.M.)

2. Request submitted by (Department or Program Name):
   Computer science and engineering

3. Course prefix, number and complete title of course:
   CSCE 451 - Software reverse engineering

4. Catalog course description (not to exceed 50 words): An introduction to the compilation mechanism to generate executable files and raw binary codes from source codes; the executable file formats for an operating system to run the binary code; disassembly algorithms and control graph analysis; static and dynamic analyses; case studies on code obfuscation, codebreaking, malware analysis.

5. Prerequisite(s):
   CSCE 313, or instructor's permission
   Cross-listed with:
   Stacked with: CSCE 651 - Software reverse engineering
   Cross-listed courses require the signature of both department heads.

6. Is this a variable credit course? [ ] Yes  [ ] No
   If yes, from __________ to __________

7. Is this a repeatable course? [ ] Yes  [ ] No
   If yes, this course may be taken ________ times.
   Will this course be repeated within the same semester? [ ] Yes  [ ] No

8. Will this course be submitted to the Core Curriculum Council? [ ] Yes  [ ] No

9. How will this course be graded? [ ] Grade  [ ] S/U  [ ] P/F (CLMD)

10. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)
   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

12. [ ] I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

13. Prefix  Course #  Title (excluding punctuation)
    CSCE  451  SOFTWARE REVERSE ENGINEERING

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Approval recommended by:

John Keyser
Department Head or Program Chair (Type Name & Sign)  Date

Chair, College Review Committee  Date

Dean of College  Date

Submitted to Coordinating Board by:

Associate Director, Curricular Services  Date

Effective Date: Nov 21, 2015

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services - 07/14
SYLLABUS
Department of Computer Science and Engineering
CSCE 451/651, Software Reverse Engineering  (REEN)
Spring 2016
Meeting time: twice a week (1 hour lecture+1 hour hands-on lab practice)
3 credit hours, elective
Meeting place: TBD
Updated Nov.12, 2015

INSTRUCTOR
Jyh-Charn (Steve) Liu
HRBB 502B     Tel: 845-8739, Email: liu@cs.tamu.edu
Office Hours: by appointments

TEACHING ASSISTANT
TBD

LEARNING OBJECTIVES: Develop independent and team based skills for static and dynamic analysis of binary codes for Intel and ARM architectures.

OUTCOMES:
At end of the class, students should be proficient in the following aspects.
(1) Identify copyrights and other related laws governing software rights and their reverse engineering activities.
(2) Identify and utilize the knowledge on the compilation process to interpret best matched high level language programs for machine code pieces.
(3) Extract the needed binary code structure information from the portable executable file formats to construct executable binary code images on a target machine.
(4) Formulation and optimization of reversing strategies (such as brute force based, or math logic based) to perform static analysis of binary codes. Hypnotize the necessity of further dynamic analysis of binary codes to verify the behavior of binary codes under analysis.
(5) Design and implementation of anti-analysis techniques to protect binary codes.

COURSE PREREQUISITES AND WORKLOAD:
- Minimal requirement: CSCE 313, or instructor’s approval. Students must be proficient in programming and in computer architecture.
- JR/SR classification, but exception can be made per instructor’s approval.
- This class is expected to have extensive hands-on work. Students are advised to weigh their overall workload in taking this course.

TECHNICAL THEMES
Architecture & Assembly language
- Basics of low level software and their relationship with hardware resources. (Instruction set architectures, privileges, interrupt, address space)

Design
- Programming in Assembly, exploits (virus, drivers)

Binary Analysis
- From HLL statements to binary idioms.
• Executable header, symbols,
• Disassembly tool IDA Pro, and debuggers
• Anti-analysis techniques: Virtual ISA, Address space layout randomization (ASLR), code packing

GRADING POLICY:
Curved with exceptional conditions consideration.

Rules for missing assignments: D or worse for 3 missing assignments. C or worse for 2 missing assignments.

Submitted Assignments: Programming (100 points). Note: All projects will be archived for future classes as teaching and learning references.

(A) Programming Assignments (Documents are an integrated part of submissions.)

• Programming/analysis assignments: 5
• Competition: 1
• Open term project: 1
• Litigation case study & reporting: 1

A NOTE ABOUT HACKING
Software reverse engineering (RE) is about reversing of binary codes to their high level computing logic. It is an enabling tool for a broad range of applications, including hacking. Hacking is loosely defined as the process of exploiting vulnerability of software systems by defeating protective measures in order to achieve certain goals, such as exploitation of computing resources and unauthorized access to privileged data. Learning about hacking practices is essential to build better protected software systems, but misusing the skills for real world hacking may lead to serious legal penalty. As such, in this class students will learn about real world legal cases of high profile litigations tied to RE.

TEXTBOOKS
• None required
• Reference books (not exclusive)
  • Assembly language for Intel based computers, by Irvine
  • ARM Assembly Language: Fundamentals and Techniques, by William Hohl
  • The IDA Pro Book, by Chris Eagle
  • Reverse Engineering, secret of reverse engineering, by Eldad Eilam
  • Practical Malware analysis, by M. Sikorski and A. Honig
  • Open literature, vendors technical information (Intel, ARM, Microsoft)

LECTURE, DISCUSSION AND BYOD (BRING YOUR OWN DEVICES)
The class follows a staged development process as follows: (1) starting with introduction of basic core body of knowledge, and examples, (2) practice and assignments related to the topic under discussion, (3) instructor and student initiated basic topics for students to discover and report the findings to the class, and (4) Student initiated open project topics, and/or open challenge competitions. Quality reports and presentations (audio and slides) will be archived to build community knowledge base for future learning purposes. Students should bring their own devices in order to work collaboratively with classmates during class hours.
ATTENDANCE POLICY:

- Except for University excused absence, students are responsible for any missed materials. Attendance policies are defined by student rule 7; see http://student-rules.tamu.edu/rule07.
- Missing assignments or tests
  - For excused absences: an opportunity will be provided to make up any graded work.
  - For unexcused absences: a grade of zero will be assigned to the missed work/test. At discretion of the instructor, a missed test is subject to a 25% penalty even if retaking of the test is granted.
- To request approval of an absence, send me an e-mail explaining the reason for the absence. If advance notification is not possible (e.g. unexpected illness) send the e-mail within 48 hours to justify the absence. For illness, a note from a doctor or clinic is required.

Special rules for team projects

- Every student is required to contribute technical and documentation work.
- If there is a project partner dispute, it is critical to report the issue quickly to the instructor or TA. Otherwise, you share grade consequences if the issues contribute to a poor grade.

COMMUNICATIONS: Emails will be used extensively. All emails related to this class should be sent to liu@cse.tamu.edu. The ecampus portal will contain the majority of the material.

SCHOLASTIC DISHONESTY will not be tolerated. Plagiarism is the presentation of the work of someone else without giving him or her due credit. Any such incidents will be dealt with in accordance with the procedures outlined in the University Student Rules. Some specific rules:
1. In most cases, you are encouraged to discuss assignments, but the final product submitted for grade must be the individual work of the person turning it in.
2. If code from two or more students is essentially identical, and it is determined to the satisfaction of the instructor that the code is the product of a group effort, the assignment may be rejected with no credit for any of the students involved.
3. Always be prepared to answer the questions: “What is your contribution?” “Where did you get this design?” “What is your responsibility and contribution in the team?”
4. Using third party codes and tools to solve challenging computing problems is critical to most software reverse engineering, and therefore is allowed. When doing so, it is a must to have full disclosure prior reporting results. Claiming credit without such disclosure will be considered cheating.

“An Aggie does not lie, cheat or steal, or tolerate those who do.” For additional information, please visit: http://aggiehonor.tamu.edu.

STUDENTS WITH DISABILITIES: The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, 701 West Campus Blvd 1224 TAMU, or call 845-1637. For additional information visit http://disability.tamu.edu

COPYRIGHT NOTICE: The handouts used in this course are copyrighted and cannot be copied without permission. By “handouts,” this means all materials generated for this class, which includes but is not limited to, syllabi, quizzes, exams, lab and homework problems, lab handbook, lab manuals, in-class
materials, review sheets, and Web site materials. You must obtain the instructor’s explicit permission to video/record the class contents.
Weekly activity plan

Week 1: Introduction to software reverse engineering
Assignment 1

Week 2: Assembly instructions and binary
Assignment 2

Weeks 3-4: High level language statements and their assembly language representations
Assignment 3

Week 5: Code breaker case study
Assignment 4

Week 6: Discussion on code breaking techniques and challenges
Assignment 5

Weeks 7: Stack overflow and code vulnerability examples
Week 8: PIN, python and IDAPro
Assignment 6

Week 9: Spring break
Week 10: Executable formats
Term project
Week 11: Packers and unpackers
Week 12: Disassembly algorithms
Week 13-14: Presentations & final project review

Note: The activity plan is subject to change, and all changes will be communicated to students in classroom and posted on class portal.
Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
• Submit original form and attach a course syllabus.

Form Instructions

1. Course request type:
   □ Undergraduate  □ Graduate  □ First Professional (DDS, MD, JD, PharmD, DVM)

2. Request submitted by (Department or Program Name):
   Construction Science

3. Course prefix, number and complete title of course:
   COSC 202 - Introduction to Housing

4. Catalog course description (not to exceed 50 words):
   Overview of the social, economic, environmental, and cultural impacts of housing on communities, and nations; varied prospectives to understand the different facets of housing and their impacts on the human experience; critical thinking skills to gain knowledge and to be informed of their housing choices.

5. Prerequisite(s): none
   Cross-listed with: n/a
   Stacked with: n/a
   Cross-listed courses require the signature of both department heads.

6. Is this a variable credit course? □ Yes  □ No
   If yes, from ______ to ______

7. Is this a repeatable course? □ Yes  □ No
   If yes, this course may be taken ______ times.
   Will this course be repeated within the same semester? □ Yes  □ No

8. Will this course be submitted to the Core Curriculum Council?
   □ Yes  □ No

9. How will this course be graded:
   □ Grade  □ S/U  □ P/F (CLMD)

10. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)
   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography

Language, Philosophy, and Culture core curriculum elective for any student pursuing a bachelor's degree at Texas A&M University

11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

12. □ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vrp.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

13. Prefix    Course #    Title (excluding punctuation)
    COSC       202        INTRODUCTION TO HOUSING
    Lect.  Lab  Other  SCH  CIP and Fund Code  Admin. Unit  Acad. Year  IICE Code
    3.00  0.00  0.00  3.00  15010100    0717  16 - 17  0  0  3  6  3  2

Approval recommended by:

Joe Hornen
Department Head or Program Chair (Type Name & Sign)  Date

Leslie Feigenbaum
Chair, College Review Committee  Date

Jorge Vanegas
Dean of College  Date

Submitted to Coordinating Board by:

Chair, GC or UCC  Date

Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu.
Curricular Services - 07/14
A. COURSE
Title and Number: COSC 202 Introduction to Housing
Term / Section: TBD
Meeting Times and Locations: Lecture: TBA
Instructional Type and Method: Lecture; Traditional, Face-to-Face

B. DESCRIPTION AND PREREQUISITES
Overview of the social, economic, environmental, and cultural impacts of housing on communities, and nations; varied perspectives to understand the different facets of housing and their impacts on the human experience; critical thinking skills to gain knowledge and to be informed of their own housing choices.

C. MINIMUM REQUIRED LEARNING OUTCOMES
University Student Learning Outcomes:
- Communicate effectively
- Practice personal and social responsibility
- Demonstrate social, cultural, and global competence
- Work collaboratively

D. ADDITIONAL LEARNING OUTCOMES
Upon satisfactory completion of this course a student will be able to:

1. Describe the social, economic, political, and environmental effects of housing on the United States
2. Analyze how governmental policies impact housing;
3. Describe the factors that impact housing affordability;
4. Describe the factors that impact housing sustainability;
5. Assess the impact of housing on the US and global economy; and
6. Appraise the opportunities for diverse populations in housing industry.

E. INSTRUCTOR INFORMATION
Name: Dr. Ben F. Bigelow
Phone Number: 979-458-4457
Office Hours: T 2:30 – 3:30, W 1:00 – 2:30.
Office Location: Francis Hall – 208B

F. TEXTBOOKS
Required
G. GRADING POLICIES
Final Grades will be awarded based on the following:

- 90.0 – 100.0: A
- 80.0 – 89.9: B
- 70.0 – 79.9: C
- 60.0 – 69.9: D
- 0.0 – 59.9: F

Grades will be rounded to the nearest whole number:
- 0.5 and higher, rounded up
- Lower than 0.5, rounded down

Grade Weights:
- Tests 1, 2, & 3: 75%
- Housing Experience: 10%
- Quizzes & Assignments: 15%

H. CALENDAR OF ACTIVITIES AND MAJOR ASSIGNMENTS
(This is a tentative schedule and is subject to change at the discretion of the instructor.)

<table>
<thead>
<tr>
<th>Dates</th>
<th>Topics</th>
<th>Assignments/Readings Due</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week 1</td>
<td>Introduction, Syllabus, Current Trends in Housing</td>
<td>Chapter 1</td>
</tr>
<tr>
<td>Week 2</td>
<td>Influence on Housing Choices and Behavior</td>
<td>Chapter 2</td>
</tr>
<tr>
<td>Week 3</td>
<td>Housing, Community, and neighborhoods</td>
<td>Chapters 3 &amp; 4</td>
</tr>
<tr>
<td>Week 4</td>
<td>Homebuilding, Test #1</td>
<td>Chapter 5</td>
</tr>
<tr>
<td>Week 5</td>
<td>Housing Finance and Governmental Policies</td>
<td>Chapters 6 &amp; 7</td>
</tr>
<tr>
<td>Week 6</td>
<td>The Great Recession</td>
<td>Chapter 8</td>
</tr>
<tr>
<td>Week 7</td>
<td>Homeownership &amp; Renting</td>
<td>Chapters 9 &amp; 10</td>
</tr>
<tr>
<td>Week 8</td>
<td>Housing Affordability &amp; Homelessness</td>
<td>Chapters 11 &amp; 12</td>
</tr>
<tr>
<td>Week 9</td>
<td>Diversity and Aging in Housing Test #2</td>
<td>Chapters 13 &amp; 14</td>
</tr>
<tr>
<td>Week 10</td>
<td>Housing Design, Universal Design</td>
<td>Chapters 15, 16, 17, 18</td>
</tr>
<tr>
<td>Week 11</td>
<td>Health and Sustainability</td>
<td>Chapters 19 &amp; 20</td>
</tr>
<tr>
<td>Week 12</td>
<td>Disasters</td>
<td>Chapter 21</td>
</tr>
<tr>
<td>Week 13</td>
<td>International Housing</td>
<td>Chapters 22, 23, 24, 25</td>
</tr>
<tr>
<td>Week 14</td>
<td>Challenges in the Twenty-First Century</td>
<td>Chapter 26</td>
</tr>
<tr>
<td>Week 15</td>
<td>Test #3</td>
<td></td>
</tr>
</tbody>
</table>

I. SPECIAL PROVISIONS

1. Tests
This course has three tests. These tests include multiple choice and true/false questions and will cover materials from the textbook as well as lecture and related materials. Students are required to provide a Scantron (882-E) and a pencil for the tests.

2. Housing Experience
Each student is required during the course of the semester to spend at least 3 hours volunteering for a community housing organization. This can be done in the Bryan College Station area or in the community where the student is from. An appropriate organization could be Habitat for Humanity, however many other organizations are appropriate and can be used with instructor approval. Work to be performed is flexible and may include any task(s) the organization is in need of. Students will be required to submit a report detailing the organization and the work they do in regard to housing, What the student did for the organization and how it contributed to the organization’s mission and goals. The report should also
include an analysis by the student of the organization and if it is effective in achieving its mission and goal, and
photographic documentation of the student working.

3. **Quizzes & Assignments**

At various times throughout the semester students will have unannounced quizzes in class, as well as reading assignments
in addition to the text that require student responses and comment.

4. **Americans with Disabilities Act (ADA) Policy Statement**

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights
protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be
-guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have
- a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services
- building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information
- visit [http://disability.tamu.edu](http://disability.tamu.edu).

5. **Academic Integrity**

Misconduct in research or scholarship includes fabrication, falsification, or plagiarism in proposing, performing, reviewing,
or reporting research. It does not include honest error or honest differences in interpretations or judgments of data.

Texas A&M University students are responsible for authenticating all work submitted to an instructor. If asked, students
must be able to produce proof that the item submitted is indeed the work of that student. Students must keep appropriate
records at all times. The inability to authenticate one's work, should the instructor request it, is sufficient grounds to initiate
an academic dishonesty case. For additional information please visit: [http://aggiehonor.tamu.edu](http://aggiehonor.tamu.edu/).

"An Aggie does not lie, cheat, or steal, or tolerate those who do."

Upon accepting admission to Texas A&M University, a student immediately assumes a commitment to uphold the Honor
Code, to accept responsibility for learning, and to follow the philosophy and rules of the Honor System. Students will be
required to state their commitment on examinations, research papers, and other academic work. Ignorance of the rules
does not exclude any member of the TAMU community from the requirements or the processes of the Honor System.

6. **Absences**

Rules concerning excused absences may be found at [http://student-rules.tamu.edu/rule07](http://student-rules.tamu.edu/rule07). In particular, except for absences
due to religious obligations, the student must notify his or her instructor in writing (acknowledged e-mail message is
acceptable) prior to the date of absence if such notification is feasible. By state law, if a student misses class due to an
obligation of his or her religion, the absence is excused. A list of days of religious obligation for the coming semester may
be found at [http://student-rules.tamu.edu/append4](http://student-rules.tamu.edu/append4).

7. **Disruptive Behavior**

If a student's behavior in class is sufficiently disruptive to warrant immediate action, the instructor is entitled to remove a
student on an interim basis, pending an informal hearing with the Head of the Department offering the course. This hearing
must take place within three working days of the student's removal. This rule and supporting information may be found at

8. **Copyright**

Instructor reserves copyright to all materials used in this course. This means all materials generated for this class, which
includes but is not limited to syllabi, quizzes, exams, lab problems, in-class materials, review sheets, and additional problem
sets. Because these materials are copyrighted, you do not have the right to copy any material, unless expressly granted
written permission.

9. **Defacement of University Property**

"It is unlawful for any person to damage or deface any of the buildings, statues, monuments, trees, shrubs, grasses, or
flowers on the grounds of any state institutions of higher education (Texas Education Code Section 51.204)" The words
damage or deface refer specifically to any and all actions, whether direct or indirect, that either diminish the value or mar
the appearance of the physical environment.
Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
• Submit original form and attach a course syllabus.

Form Instructions

1. Course request type: 
   X Undergraduate   □ Graduate   □ First Professional (D.D.S., M.D., J.D., Pharm.D., D.V.M.)

2. Request submitted by (Department or Program Name): 
   Construction Science

3. Course prefix, number and complete title of course: 
   COSC 310 - Design and Construction Leadership Education

4. Catalog course description (not to exceed 50 words): 
   Promotion of personal leadership skills utilized within the Design and Construction professions; primary understanding and developing management skills with specific attention to developing personal attributes and skills necessary for achieving organizational goals.

5. Prerequisite(s):
   College of Architecture Majors only pursuing the Leadership in the Design & Construction Professions Minor; Junior or senior classification or approval of the professor

   Cross-listed with: n/a
   Stacked with: n/a
   Cross-listed courses require the signature of both department heads.

6. Is this a variable credit course? □ Yes   X No
   If yes, from ________ to ________

7. Is this a repeatable course? □ Yes   X No
   If yes, this course may be taken ________ times.
   Will this course be repeated within the same semester? □ Yes   X No

8. Will this course be submitted to the Core Curriculum Council? □ Yes   X No

9. How will this course be graded: 
   X Grade   □ S/U   □ P/F (CLMD)

10. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)
   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

   BS - COSC, BS - VIST, BS-USAR, BS - URPN, BED & BLA

11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

12. X I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vps.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

13. Prefix Course # Title (excluding punctuation)

<table>
<thead>
<tr>
<th>COSC</th>
<th>310</th>
<th>DESIGN &amp; CONST LEADERSHIP E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lect.</td>
<td>Lab</td>
<td>Other</td>
</tr>
<tr>
<td>1.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
</tbody>
</table>

Approval recommended by:

Joe Horton
Department Head or Program Chair (Type Name & Sign)  Date

Leslie Feigenbaum
Chair, College Review Committee  Date

Jorge Vanegas
Dean of College  Date

Submitted to Coordinating Board by:

Chair, GC or UCC  Date

Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 07/14
College of Architecture
DEPARTMENT OF CONSTRUCTION SCIENCE

A. COURSE
Title and Number: COSC 310 Design & Construction Leadership Education I CRN XXXXX
Term: Fall 2016
Meeting Times and Locations:
Lecture XXX XX:XX-XX:XX

Instructional Type and Method: Lecture, Face-to-Face

B. DESCRIPTION AND PREREQUISITES
Promotion of personal leadership skills utilized within the Design and Construction professions; primary understanding and developing management skills with specific attention to developing personal attributes and skills necessary for achieving organizational goals.

This course will also emphasize developing essential workplace competences, especially communication and problem solving skills. Student must be a junior in the College of Architecture who is pursuing a Minor in Leadership in the Design and Construction Professions. (1-0). Credit 1;

C. MINIMUM REQUIRED LEARNING OUTCOMES
University Student Learning Outcomes:
- Work collaboratively
- Communicate effectively
- Practice personal and social responsibility
Rubrics:
- Leadership Development Plan

D. ADDITIONAL LEARNING OUTCOMES
Upon satisfactory completion of this course, students will be able to:
1. Analyze and evaluate the basic dimensions of management;
2. Compare and contrast the major similarities and differences between leaders and followers;
3. Apply principles of team building and strategic thinking; and
4. Build written, oral, and interpersonal communication skills.”
E. INSTRUCTOR INFORMATION

Name: TBD
Phone Number: TBD
Office Hours: XXX XX:XX XX to XX:XX XX
Office Location: TBD

F. TEXTBOOKS

Required


StrengthsQuest, 2nd edition, Clifton, Anderson, & Schreiner; Gallup Press, 2006

G. GRADING POLICIES

Your grade will be based on your mastery of the subject matter. Grades will be based on the number of points you receive for each of the graded areas. The total number of points possible is 100.

Final Grades will be awarded based on the following:

- A = 89.5 – 100%
- B = 79.5 – 89.4%
- C = 69.5 – 79.4%
- D = 59.5 – 69.4%
- F = < 59.4%

Major Assignments and Values

- Development Plan – 25 points
- Participation – 5 points
- Quizzes and Daily Assignments – 50 points
- Exam 1 – 10 points
- Exam 2 – 10 points

Participation/Attendance

A daily record of class attendance is kept by using daily sign-in sheets. If you miss signing the roll sheet, it is your responsibility to see that your signature is added before leaving the classroom. Absences are determined through the roll sheets. If your name is not on the roll sheet you are counted absent for that day.

Laptop/iPad Usage – Laptops/iPads can be used in and during class only as follows: Taking notes, working on COSC 310 assignment. No internet browsing, games, or work on non COSC 310 related assignment is permitted. No laptop/iPad usage during Quizzes on Exams is permitted.

H. CALENDAR OF ACTIVITIES AND MAJOR ASSIGNMENTS

* The instructor reserves the right to make changes to the above schedule, as necessary.

<table>
<thead>
<tr>
<th>Week</th>
<th>Lecture topic</th>
<th>Reading Assignment</th>
<th>Assignment due</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Developing as a staff member</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Determining your role</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
I. SPECIAL PROVISIONS

1. Americans with Disabilities Act (ADA) Policy Statement
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information, visit http://disability.tamu.edu.

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4. Disruptive Behavior
If a student's behavior in class is sufficiently disruptive to warrant immediate action, the instructor is entitled to remove a student on an interim basis, pending an informal hearing with the Head of the Department offering the course. This hearing must take place within three working days of the student's removal. This rule and supporting information may be found at http://student-rules.tamu.edu/rule21.

5. Copyright
The Department of Construction Science reserves copyright to all materials used in this course. This means all materials generated for this class, which includes but is not limited to syllabi, exams, lab problems, in-class materials, review sheets, and additional problem sets. Because these materials are copyrighted, you do not have the right to copy any material, unless expressly granted written permission.

6. Defacement of University Property
"It is unlawful for any person to damage or deface any of the buildings, statues, monuments, trees, shrubs, grasses, or flowers on the grounds of any state institutions of higher education (Texas Education Code Section 51.204)" The words damage or deface refer specifically to any and all actions, whether direct or indirect, that either diminish the value or mar the appearance of the physical environment.

7. Plagiarism
It is very important to read other people's work and to use their ideas in developing theses, professional papers, or otherwise completing academic requirements. This is called scholarship and is highly rewarded because it builds a cumulative body of knowledge. When other scholars share their ideas, they expect that others will give them credit when making use of their ideas. It is critically important for students to understand the rules for properly crediting other people's ideas when writing a thesis or professional paper or otherwise completing academic requirements.

If you use someone else's idea without using his or her specific words, this is called paraphrasing. When you paraphrase, you are expected to indicate the source of the idea (the author and publication date, but not a page number). This allows a reader to find the source of the ideas, verify that you have accurately represented them, and obtain additional information about those ideas if necessary.

If you use someone else's exact words, this is called quoting. When you quote, you are expected to enclose the words in quotation marks, and indicate the source of the quote (the author, publication date, and page number).

Plagiarism also applies to information found on the web: it is equally important to cite a web source and the rules above pertain. Consequently, if there are not quotation marks around the text and no source is cited, instructors will assume that you intend for them to conclude that any ideas, especially the specific words, that you presented in your work are your own.

Thus, if the idea or the exact words are taken from another source and you do not indicate the source of the idea, you are representing another person's ideas as if they were your own. This is called plagiarism and is a very serious offense.

All paper submittals need to have a cover sheet with turnitin.com report showing a score less than 10%. See the Evans library for more information since it is at no cost for our students.

8. Personal Laptop Requirement
"The College of Architecture requires all students to have a personal laptop. This laptop is required to perform classroom activities. You will need your laptop in this course and you are required to bring an operational laptop to class every day.
See http://www.arch.tamu.edu/inside/services/information-technology-services/recommended-laptop-enrolled-students/ for additional information."
Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
• Submit original form and attach a course syllabus.

Form Instructions
1. Course request type:  ☑ Undergraduate  ☐ Graduate  ☐ First Professional (D.D.S., M.D., J.D., Pharm.D., D.V.M.)
2. Request submitted by (Department or Program Name):  Construction Science
3. Course prefix, number and complete title of course:  COSC 333 - Project Management for Facility Managers
4. Catalog course description (not to exceed 50 words):  Overview of project management for facility managers covering concepts and components of project management and their interrelationships in construction practice.

5. Prerequisite(s):  Facility Management Minor; Junior or Senior classification or approval of the instructor
Cross-listed with:  n/a  Stacked with:  n/a
Cross-listed courses require the signature of both department heads.

6. Is this a variable credit course?  ☑ Yes  ☐ No  If yes, from _____ to _____
7. Is this a repeatable course?  ☑ Yes  ☐ No  If yes, this course may be taken _____ times.
   Will this course be repeated within the same semester?  ☐ Yes  ☑ No
8. Will this course be submitted to the Core Curriculum Council?  ☑ Yes  ☐ No
9. How will this course be graded?  ☑ Grade  ☐ S/U  ☐ P/F (CLMD)
10. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)
   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)
      pursuing a Minor in Facility Management or B.S. in USAR
11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.
12. ☑ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

13. Prefix  Course #  Title (excluding punctuation)
    COSC  333  PROJ MGMT FOR FACILITY MANAGER

<table>
<thead>
<tr>
<th>Lect.</th>
<th>Lab</th>
<th>Other</th>
<th>SCH</th>
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<th>Admin. Unit</th>
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</table>

Approval recommended by:

Joe Horlen  
Department Head or Program Chair (Type Name & Sign)  Date

Leslie Feigenbaum  
Chair, College Review Committee  Date

Jorge Vanegas  
Dean of College  Date

Submitted to Coordinating Board by:

Associate Director, Curricular Services  Date

Questions regarding this form should be directed to Sandra Williams at 845 8201 or sandra.williams@tamu.edu.
Curricular Services – 07/14
A. COURSE
Title and Number: COSC 333 Project Management for Facility Managers  CRN XXXXX
Term: Fall 2016
Meeting Times and Locations:
Lecture
XXX XX:XX-XX:XX

Instructional Type and Method: Lecture, Face-to-Face

B. DESCRIPTION AND PREREQUISITES
Overview of project management for facility managers covering concepts and components of project management and their interrelationships in construction practice.

Prerequisites: Facility Management Minor and Jr or Sr. classification

C. MINIMUM REQUIRED LEARNING OUTCOMES
University Student Learning Outcomes:
- Use a variety of sources and evaluate multiple points of view

ACCE Student Learning Outcomes:
- Analyze construction documents for planning and management of facility management processes

Rubrics:
- Critical Thinking

D. ADDITIONAL LEARNING OUTCOMES
1. Develop an understanding of the components of project management for facility managers and their interrelationships in construction practice. [Assessments]
2. Develop professional communication skills, Interaction with industry, Teamwork and group skills, through the presentation process. [Assessments and Assignments]
3. Analyze buildings to determine the space utilization and relative efficiency
4. Develop an effective jobsite organization
5. Demonstrate the ability to effectively estimate and schedule a construction project
E. INSTRUCTOR INFORMATION

Name: **Dr. Edelmiro F. Escamilla**
Phone Number: **979.845.4226**
eescamilla@arch.tamu.edu
Office Hours: **XXX XX:XX XX to XX:XX XX**

Office Location: **Francis Hall 329A**

Dr. Edelmiro F. Escamilla has been an Assistant Professor of Construction Science joined the Construction Science program at Texas A&M University in 2010. He teaches construction project management, construction operations, and materials and methods. Dr. Escamilla founder of the Mobilization 2 Completion initiative is a research driven effort for transformative capacity building for the construction industry. He is currently a member and previously served as the president of the Hispanic Professional Network (PHN). He is also a fellow of the Center for Heritage Conservation and a fellow of the Center for Housing and Urban Development. Dr. Escamilla’s research interests include workforce development, construction educational attainment, project management, facility management, and historic preservation.

F. TEXTBOOKS

Required

G. GRADING POLICIES

**Attendance is Mandatory.** A daily record of class attendance is kept by using daily sign-in sheets. If you miss signing the roll sheet, it is your responsibility to see that your signature is added before leaving the classroom. Absences are determined through the roll sheets. If your name is not on the roll sheet you are counted absent for that day. Unexcused absences will impact your grade as follows: 4 - 5 absences – 1 letter grade deduction; 6 and more – 2 letter grades. Missing class for illness will be “Excused” with a doctor’s note from your health care provider. Rules concerning excused absences may be found at [http://student-rules.tamu.edu/rule07](http://student-rules.tamu.edu/rule07).

**Final Grades** will be awarded based on the following:
- **A** = 89.5 – 100.0%
- **B** = 79.5 – 89.4%
- **C** = 69.5 – 79.4%
- **D** = >59.5 – <69.4%
- **F** = < 59.5%

**Major Assignments and Values**

1. Average of Exams 1,2 = 60%
2. Daily Assignments = 40%

**Exams** – All Exams cover assigned reading materials and content from lectures. Students are to bring Scantron (half sheet forms- 882 E) for each scheduled Exam.

**Team Presentation** – As indicated on the syllabus, the Assignments and the Team Project will require the majority of your time spent on outside work for COSC 333. It comprises 50% of your final grade for the semester.

**Daily Assignments** – Daily assignments are often Team assignments related to the development of your Team Project.

**Laptop Usage** – Laptops can be used in and during class only as follows: Taking notes, working on COSC 333 assignment. No internet browsing, games, or work on non COSC 333 related assignment is permitted. Notes on your laptop must be printed for use on Daily Quizzes. No laptop usage during Quizzes on Exams is permitted.
Grading Policies: Graded activities and points (highlight indicates SLO Assessment)

<table>
<thead>
<tr>
<th>Activity</th>
<th>Number</th>
<th>Value Each</th>
<th>Assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exam I – Critical Thinking</td>
<td>1</td>
<td>100</td>
<td>30%</td>
</tr>
<tr>
<td>Exam II – Critical Thinking</td>
<td>1</td>
<td>100</td>
<td>30%</td>
</tr>
<tr>
<td>Daily Assignments</td>
<td>4</td>
<td>100</td>
<td>40%</td>
</tr>
</tbody>
</table>

H. CALENDAR OF ACTIVITIES AND MAJOR ASSIGNMENTS

Typical Exam topics:
- **Exam 1** – Defining Project Management and Facility Management; Project Participants; Role of the Facility Manager in the Organization; Principles of Project Management; Facility Managers in Action; Working with management and employees; Core Competence in Facility Management; Space Utilization and Efficiency; Starting Document Controls; Project Scheduling for the Facility Manager; Diagramming vs. Precedence Diagramming; CPM - Forward and Backwards Passes; Introduction to Estimating for the PM; Conceptual Estimating; Detailed Estimating;
- **Exam 2** – Jobsite Organization; Project Changes; Change Orders vs. Change Directives; Payment Process - Requests for Periodic Payments; Managing the Punch List; Project Close Out; Owner Occupancy and Start-Up; Operations & Maintenance Practices; Maintaining a Safe Working Environment

Team Presentation-Oral Communication / Assignment topics:
- **Team Presentation and Topical Report** – Team presentation to class with a topical report due at time of presentation;
- **Assignment 1** – Critical Path Method for Maintenance Exercise.
- **Assignment 2** – Conditional Assessment and Preventative and Predictive Maintenance Exercise.
- **Assignment 3** – Topical Report
- **Assignment 4** - Resume and Cover Letter Exercise.

CALENDAR of ACTIVITIES and MAJOR ASSIGNMENTS

* The instructor reserves the right to make changes to the above schedule, as necessary.

<table>
<thead>
<tr>
<th>Week</th>
<th>Lecture topic</th>
<th>Reading Assignment</th>
<th>Assignment due</th>
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</thead>
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<td><strong>Defining Project Management and Facility Management;</strong></td>
<td></td>
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<tr>
<td>2</td>
<td><strong>Project Participants; Role of the Facility Manager in the Organization;</strong></td>
<td><strong>Topical Report;</strong></td>
<td></td>
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<tr>
<td>3</td>
<td><strong>Principles of Project Management; Facility Managers in Action</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td><strong>Working with management and employees;</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td><strong>Core Competence in Facility Management; Space Utilization and Efficiency;</strong></td>
<td></td>
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</tr>
<tr>
<td>6</td>
<td><strong>Starting Document Controls; Project Scheduling for the Facility Manager;</strong></td>
<td></td>
<td></td>
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<tr>
<td>7</td>
<td><strong>Diagramming vs. Precedence Diagramming; CPM - Forward and Backwards Passes;</strong></td>
<td></td>
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</tr>
</tbody>
</table>
### I. SPECIAL PROVISIONS

1. **Americans with Disabilities Act (ADA) Policy Statement**
   The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information, visit [http://disability.tamu.edu](http://disability.tamu.edu).

2. **Academic Integrity**
   Misconduct in research or scholarship includes fabrication, falsification, or plagiarism in proposing, performing, reviewing, or reporting research. It does not include honest error or honest differences in interpretations or judgments of data.

   Texas A&M University students are responsible for authenticating all work submitted to an instructor. If asked, students must be able to produce proof that the item submitted is indeed the work of that student. Students must keep appropriate records at all times. The inability to authenticate one's work, should the instructor request it, is sufficient grounds to initiate an academic dishonesty case. For additional information please visit: [http://aggiehonor.tamu.edu/](http://aggiehonor.tamu.edu/).

   "An Aggie does not lie, cheat, or steal, or tolerate those who do."

   Upon accepting admission to Texas A&M University, a student immediately assumes a commitment to uphold the Honor Code, to accept responsibility for learning, and to follow the philosophy and rules of the Honor System. Students will be required to state their commitment on examinations, research papers, and other academic work. Ignorance of the rules does not exclude any member of the TAMU community from the requirements or the processes of the Honor System.

3. **Absences**
   Rules concerning excused absences may be found at [http://student-rules.tamu.edu/rule07](http://student-rules.tamu.edu/rule07). In particular, except for absences due to religious obligations, the student must notify his or her instructor in writing (acknowledged e-mail...)

---

| 8 | Introduction to Estimating for the PM; Conceptual Estimating; Detailed Estimating; |
| 9 | Jobsite Organization; |
| 10 | Project Changes; Change Orders vs. Change Directives; |
| 11 | Payment Process - Requests for Periodic Payments; |
| 12 | Managing the Punch List; Project Close Out |
| 13 | Owner Occupancy and Start-Up; |
| 14 | Operations & Maintenance Practices Maintaining a Safe Working Environment |
| 15 | Finals | Finals | Finals |
message is acceptable) prior to the date of absence if such notification is feasible. By state law, if a student misses class due to an obligation of his or her religion, the absence is excused. A list of days of religious obligation for the coming semester may be found at http://student-rules.tamu.edu/append4.

4. Disruptive Behavior
If a student's behavior in class is sufficiently disruptive to warrant immediate action, the instructor is entitled to remove a student on an interim basis, pending an informal hearing with the Head of the Department offering the course. This hearing must take place within three working days of the student's removal. This rule and supporting information may be found at http://student-rules.tamu.edu/rule21.

5. Copyright
Dr. Escamilla reserves copyright to all materials used in this course. This means all materials generated for this class, which includes but is not limited to syllabi, exams, lab problems, in-class materials, review sheets, and additional problem sets. Because these materials are copyrighted, you do not have the right to copy any material, unless expressly granted written permission.

6. Defacement of University Property
"It is unlawful for any person to damage or deface any of the buildings, statues, monuments, trees, shrubs, grasses, or flowers on the grounds of any state institutions of higher education (Texas Education Code Section 51.204)" The words damage or deface refer specifically to any and all actions, whether direct or indirect, that either diminish the value or mar the appearance of the physical environment.

7. Plagiarism
It is very important to read other people's work and to use their ideas in developing theses, professional papers, or otherwise completing academic requirements. This is called scholarship and is highly rewarded because it builds a cumulative body of knowledge. When other scholars share their ideas, they expect that others will give them credit when making use of their ideas. It is critically important for students to understand the rules for properly crediting other people's ideas when writing a thesis or professional paper or otherwise completing academic requirements.

If you use someone else's idea without using his or her specific words, this is called paraphrasing. When you paraphrase, you are expected to indicate the source of the idea (the author and publication date, but not a page number). This allows a reader to find the source of the ideas, verify that you have accurately represented them, and obtain additional information about those ideas if necessary.

If you use someone else's exact words, this is called quoting. When you quote, you are expected to enclose the words in quotation marks, and indicate the source of the quote (the author, publication date, and page number).

Plagiarism also applies to information found on the web; it is equally important to cite a web source and the rules above pertain. Consequently, if there are not quotation marks around the text and no source is cited, instructors will assume that you intend for them to conclude that any ideas, especially the specific words, that you presented in your work are your own.

Thus, if the idea or the exact words are taken from another source and you do not indicate the source of the idea, you are representing another person's ideas as if they were your own. This is called plagiarism and is a very serious offense.

All paper submittals need to have a cover sheet with turnitin.com report showing a score less than 10%. See the Evans library for more information since it is at no cost for our students.

8. Cell Phones
All cell phones must be on silent and out of sight in the classroom. Failure to comply can result in your removal from class and receive an unexcused absence.

9. Personal Laptop Requirement
"The College of Architecture requires all students to have a personal laptop. This laptop is required to perform classroom activities. You will need your laptop in this course and you are required to bring an operational laptop to class every day. See http://www.arch.tamu.edu/inside/services/information-technology-services/recommended-laptop-enrolled-students/ for additional information.

J. OTHER COURSE SPECIFIC REQUIREMENTS:
1. **Student Performance Expectations**
Our industry is based on responsive, responsible, timely and unambiguous performance.

- **Responsiveness** means that you comply with the scope of the work, that is: It is your responsibility to assure that your assignments and projects are complete regarding requirements; Regarding class, it means that your readings are completed before class and you are prepared to participate according to the expectations on this syllabus.
- **Responsible** performance means that you are responsible for reading and participating to the best of your abilities in a team learning effort.
- **Timely** means that: LATE ASSIGNMENTS WILL NOT BE ACCEPTED; except in cases of excused absences. Regarding class, it means that you are present and on time.
- **Unambiguous** means that: You will strive for clarity in your writing and words so that there is no misinterpretation of what is intended and what is communicated.
Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
- Submit original form and attach a course syllabus.

Form Instructions

1. Course request type: □ Undergraduate □ Graduate □ First Professional (DDS, MD, JD, PharmD, DVM)

2. Request submitted by (Department or Program Name): Construction Science

3. Course prefix, number and complete title of course: COSC 410 - Design and Construction Leadership Education II

4. Catalog course description (not to exceed 50 words): Development of competencies in various leadership and management practices that are useful in an array of situations; emphasis on organizational leadership and management development with specific attention to intragroup relationships and techniques for achieving group goals.

2. Prerequisite(s):
   COSC 310, CARC Majors only pursuing the Leadership in the Design & Construction Professions Minor, CARC Junior or Senior classification or approval of the instructor

   Cross-listed with: n/a
   Stacked with: n/a

   Cross-listed courses require the signature of both department heads.

6. Is this a variable credit course? □ Yes □ No If yes, from ________ to ________

7. Is this a repeatable course? □ Yes □ No If yes, this course may be taken ________ times.

   Will this course be repeated within the same semester? □ Yes □ No

8. Will this course be submitted to the Core Curriculum Council? □ Yes □ No

9. How will this course be graded: □ Grade □ S/U □ P/F (CLMD)

10. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)

   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

   BS - COSC, BS - VIST, BS-USAR, BS - URPN, BED & BLA

11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

12. □ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://spr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

13. Prefix Course # Title (excluding punctuation)

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</table>

Approval recommended by:

Joe Horlen
Department Head or Program Chair (Type Name & Sign) Date

Leslie Feigenbaum
Chair, College Review Committee Date

Jorge Vanegas
Dean of College Date

Submitted to Coordinating Board by:

Chair, GC or UCC Date

Associate Director, Curricular Services Date

Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 07/14
A. COURSE
Title and Number: COSC 410 Design and Construction Leadership Education I; CRN XXXXX
Term: Fall 2016
Meeting Times and Locations: Lecture
XXX XX:XX-XX:XX
Instructional Type and Method: Lecture, Face-to-Face

B. DESCRIPTION AND PREREQUISITES

Development of competencies in various leadership and management practices that are useful in an array of situations; emphasis on organizational leadership and management development with specific attention to intragroup relationships and techniques for achieving group goals.

Student must be a junior or senior in the College of Architecture who is pursuing the Leadership in the Design and Construction Professions Minor Pre-Requisite: COSC 310 (1-0). Credit 1;

C. MINIMUM REQUIRED LEARNING OUTCOMES

University Student Learning Outcomes:
• Critical Thinking
• Work Collaboratively
• Practice personal and social responsibility

D. ADDITIONAL LEARNING OUTCOMES
Upon satisfactory completion of this course students will be able to:

1. Analyze and describe the responsibilities of executive leaders;
2. Articulate strategies for establishing a positive work environment;
3. Apply strategies to develop trust and accountability among co-workers
4. Demonstrate strategies for assessing performance and implementing professional development within an organization; and
5. Demonstrate multiple problem solving techniques

E. INSTRUCTOR INFORMATION
F. TEXTBOOKS
Required

G. GRADING POLICIES
Your grade will be based on your mastery of the subject matter. Grades will be based on the number of points you receive for each of the graded areas. The total number of points possible is 100.

Final Grades will be awarded based on the following:
- A = 89.5 – 100%
- B = 79.5 – 89.4%
- C = 69.5 – 79.4%
- D = 59.5 – 64.9%
- F = < 59.4%

Major Assignments and Values
- Participation – 5 points
- Quizzes and Daily Assignments – 55 points
- Exam 1 – 20 points
- Exam 2 – 20 points

Participation/Attendance
A daily record of class attendance is kept by using daily sign-in sheets. If you miss signing the roll sheet, it is your responsibility to see that your signature is added before leaving the classroom. Absences are determined through the roll sheets. If your name is not on the roll sheet you are counted absent for that day.

Laptop/iPad Usage – Laptops/iPads can be used in and during class only as follows: Taking notes, working on COSC 311 assignment. No internet browsing, games, or work on non COSC 311 related assignment is permitted. No laptop/iPad usage during Quizzes on Exams is permitted.

H. CALENDAR OF ACTIVITIES AND MAJOR ASSIGNMENTS
* The instructor reserves the right to make changes to the above schedule, as necessary.

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<th>Assignment due</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Introduction/Overview of Executive Leadership</td>
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<tr>
<td>2</td>
<td>Making the Transition to Upper Management</td>
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<tr>
<td>3</td>
<td>Preparing for the Job/Practices of Exemplary Executives</td>
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<tr>
<td>4</td>
<td>Responsibilities of the Executive Leader</td>
<td></td>
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due to an obligation of his or her religion, the absence is excused. A list of days of religious obligation for the coming semester may be found at [http://student-rules.tamu.edu/append4](http://student-rules.tamu.edu/append4). Missing class for an illness will only be “Excused” with a doctor’s note from your health care provider.

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6. **Defacement of University Property**

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7. **Plagiarism**

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If you use someone else's idea without using his or her specific words, this is called paraphrasing. When you paraphrase, you are expected to indicate the source of the idea (the author and publication date, but not a page number). This allows a reader to find the source of the ideas, verify that you have accurately represented them, and obtain additional information about those ideas if necessary.

If you use someone else's exact words, this is called quoting. When you quote, you are expected to enclose the words in quotation marks, and indicate the source of the quote (the author, publication date, and page number).

Plagiarism also applies to information found on the web; it is equally important to cite a web source and the rules above pertain. Consequently, if there are not quotation marks around the text and no source is cited, instructors will assume that you intend for them to conclude that any ideas, especially the specific words, that you presented in your work are your own.

Thus, if the idea or the exact words are taken from another source and you do not indicate the source of the idea, you are representing another person’s ideas as if they were your own. This is called plagiarism and is a very serious offense.

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See [http://www.arch.tamu.edu/inside/services/information-technology-services/recommended-laptop-enrolled-students/](http://www.arch.tamu.edu/inside/services/information-technology-services/recommended-laptop-enrolled-students/)."
Texas A&M University  
Departmental Request for a New Course  
Undergraduate • Graduate • Professional  
• Submit original form and attach a course syllabus.

**Form Instructions**

1. **Course request type:**  
   - ☒ Undergraduate  
   - ☐ Graduate  
   - ☐ First Professional (DDS, MD, JD, PharmD, DVM)

2. **Request submitted by (Department or Program Name):**  
   Construction Science

3. **Course prefix, number and complete title of course:**  
   COSC 411 - Seminar in Design and Construction Executive Leadership

4. **Catalog course description (not to exceed 50 words):**  
   Promotes an understanding of leadership, and builds the capacity to understand and meet the challenges involved in developing and leading ethical and sustainable organizations in today’s economy; examination of theory, conceptualizing, reflection, and application; will share their experiences in everyday life and learn how to predict outcomes based on theoretical models.

5. **Prerequisite(s):**  
   COSC 410; CARC Majors only pursuing the Leadership in the Design & Construction Professions Minor; Junior or Senior classification or approval of the instructor

6. **Cross-listed with:**  
   n/a

7. **Is this a variable credit course?**  
   - ☐ Yes  
   - ☒ No

   If yes, from _______ to _______

8. **Will this course be submitted to the Core Curriculum Council?**  
   - ☐ Yes  
   - ☒ No

9. **How will this course be graded?**  
   - ☒ Grade  
   - ☐ S/U  
   - ☐ P/F (CLMD)

10. **This course will be:**  
    a. required for students enrolled in the following degree programs(s) (e.g., B.A. in history)
    b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

    BS - COSC, BS-VIST, BS-USAR, BS-URPN, BED & BLA

11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

12. ☒ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Course #</th>
<th>Title (excluding punctuation)</th>
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**Approval recommended by:**

Joe Hornen  
Department Head or Program Chair (Type Name & Sign)  
Date

Leslie Feigenbaum  
Chair, College Review Committee  
Date

Jorge Vasquez  
Dean of College  
Date

**Submitted to Coordinating Board by:**  
Chair, GC or UCC  
Date

**Effective Date**

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu.

Curricular Services – 07/14
A. COURSE
Title and Number: \textbf{COSC 411 Seminar in Design and Construction Executive Leadership}  
\textbf{CRN XXXXXX}  
Term: \textbf{Fall 2016}  
Meeting Times and Locations:  
\textbf{Lecture}  
\textbf{XXX XX:XX-XX:XX}  
Instructional Type and Method: \textbf{Lecture, Face-to-Face}

B. DESCRIPTION AND PREREQUISITES
This course is designed to promote an understanding of leadership, which is a study of human relationships, and to build a students’ capacity to understand and meet the challenges involved in developing and leading ethical and sustainable organizations in today’s economy. The focus will include an examination of theory, conceptualizing, reflection, and application. Students will share their experiences in everyday life and will learn how to predict outcomes based on theoretical models.

\textit{Student must be a junior or senior in the College of Architecture who is pursuing the Minor in Leadership in the Design & Construction Professions. Pre-Requisite: COSC 410 (1-0). Credit 1;}

C. MINIMUM REQUIRED LEARNING OUTCOMES
University Student Learning Outcomes:
- Demonstrate social, cultural, and global competence  
- Prepare to engage in lifelong learning  
- Practice personal and social responsibility

D. ADDITIONAL LEARNING OUTCOMES
Upon satisfactory completion of this course students will be able to:

1. Develop, articulate and communicate their personal philosophy as an executive level leader;  
2. Formulate strategies for improving individual and team motivation;  
3. Develop effective leadership strategies;  
4. Assess an individual’s leadership skills and develop a professional development plan.

E. INSTRUCTOR INFORMATION
Name: TBD
Phone Number: TBD
Office Hours: XXX XX:XX XX to XX:XX XX
Office Location: TBD

F. TEXTBOOKS
Required

G. GRADING POLICIES
Your grade will be based on your mastery of the subject matter. Grades will be based on the number of points you receive for each of the graded areas. The total number of points possible is 100.

Final Grades will be awarded based on the following:
- **A** = 89.5 – 100%
- **B** = 79.5 – 89.4%
- **C** = 69.5 – 79.4%
- **D** = 59.5 – 6.49%
- **F** = < 59.4%

Major Assignments and Values
- Participation – 5 points
- Quizzes and Daily Assignments – 50 points
- Individual Leadership Development Plan – 15 points
- Exam 1 – 15 points
- Exam 2 – 15 points

Participation/Attendance
A daily record of class attendance is kept by using daily sign-in sheets. If you miss signing the roll sheet, it is your responsibility to see that your signature is added before leaving the classroom. Absences are determined through the roll sheets. If your name is not on the roll sheet you are counted absent for that day.

Laptop/iPad Usage – Laptops/iPads can be used in and during class only as follows: Taking notes, working on COSC 311 assignment. No internet browsing, games, or work on non COSC 311 related assignment is permitted. No laptop/iPad usage during Quizzes on Exams is permitted.

H. CALENDAR OF ACTIVITIES AND MAJOR ASSIGNMENTS
*The instructor reserves the right to make changes to the above schedule, as necessary.*

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I. SPECIAL PROVISIONS

1. Americans with Disabilities Act (ADA) Policy Statement
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information, visit http://disability.tamu.edu.

2. Academic Integrity
Misconduct in research or scholarship includes fabrication, falsification, or plagiarism in proposing, performing, reviewing, or reporting research. It does not include honest error or honest differences in interpretations or judgments of data.

Texas A&M University students are responsible for authenticating all work submitted to an instructor. If asked, students must be able to produce proof that the item submitted is indeed the work of that student. Students must keep appropriate records at all times. The inability to authenticate one's work, should the instructor request it, is sufficient grounds to initiate an academic dishonesty case. For additional information please visit: http://aggiehonor.tamu.edu/.

"An Aggie does not lie, cheat, or steal, or tolerate those who do."

Upon accepting admission to Texas A&M University, a student immediately assumes a commitment to uphold the Honor Code, to accept responsibility for learning, and to follow the philosophy and rules of the Honor System. Students will be required to state their commitment on examinations, research papers, and other academic work. Ignorance of the rules does not exclude any member of the TAMU community from the requirements or the processes of the Honor System.

3. Absences
Rules concerning excused absences may be found at http://student-rules.tamu.edu/rule07. In particular, except for absences due to religious obligations, the student must notify his or her instructor in writing (acknowledged e-mail message is acceptable) prior to the date of absence if such notification is feasible. By state law, if a student misses class
due to an obligation of his or her religion, the absence is excused. A list of days of religious obligation for the coming semester may be found at http://student-rules.tamu.edu/append4. Missing class for an illness will only be “Excused” with a doctor’s note from your health care provider.

4. Disruptive Behavior
If a student’s behavior in class is sufficiently disruptive to warrant immediate action, the instructor is entitled to remove a student on an interim basis, pending an informal hearing with the Head of the Department offering the course. This hearing must take place within three working days of the student’s removal. This rule and supporting information may be found at http://student-rules.tamu.edu/rule21.

5. Copyright
The Department of Construction Science reserves copyright to all materials used in this course. This means all materials generated for this class, which includes but is not limited to syllabi, exams, lab problems, in-class materials, review sheets, and additional problem sets. Because these materials are copyrighted, you do not have the right to copy any material, unless expressly granted written permission.

6. Defacement of University Property
"It is unlawful for any person to damage or deface any of the buildings, statues, monuments, trees, shrubs, grasses, or flowers on the grounds of any state institutions of higher education (Texas Education Code Section 51.204)" The words damage or deface refer specifically to any and all actions, whether direct or indirect, that either diminish the value or mar the appearance of the physical environment.

7. Plagiarism
It is very important to read other people’s work and to use their ideas in developing theses, professional papers, or otherwise completing academic requirements. This is called scholarship and is highly rewarded because it builds a cumulative body of knowledge. When other scholars share their ideas, they expect that others will give them credit when making use of their ideas. It is critically important for students to understand the rules for properly crediting other people’s ideas when writing a thesis or professional paper or otherwise completing academic requirements.

If you use someone else’s idea without using his or her specific words, this is called paraphrasing. When you paraphrase, you are expected to indicate the source of the idea (the author and publication date, but not a page number). This allows a reader to find the source of the ideas, verify that you have accurately represented them, and obtain additional information about those ideas if necessary.

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Plagiarism also applies to information found on the web; it is equally important to cite a web source and the rules above pertain. Consequently, if there are not quotation marks around the text and no source is cited, instructors will assume that you intend for them to conclude that any ideas, especially the specific words, that you presented in your work are your own.

Thus, if the idea or the exact words are taken from another source and you do not indicate the source of the idea, you are representing another person’s ideas as if they were your own. This is called plagiarism and is a very serious offense.

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College of Architecture
DEPARTMENT OF CONSTRUCTION SCIENCE

A. COURSE
Title and Number: COSC 411 Seminar in Executive Leadership CRN XXXXX
Term: Fall 2016
Meeting Times and Locations: Lecture
XXX XX:XX-XX:XX

Instructional Type and Method: Lecture, Face-to-Face

B. DESCRIPTION AND PREREQUISITES
This course is designed to promote an understanding of leadership, which is a study of human relationships, and to build a students' capacity to understand and meet the challenges involved in developing and leading ethical and sustainable organizations in today's economy. The focus will include an examination of theory, conceptualizing, reflection, and application. Students will share their experiences in everyday life and will learn how to predict outcomes based on theoretical models.

Student must be a junior or senior in the College of Architecture who is pursuing the Minor in Leadership in the Design & Construction Professions. Pre-Requisite: COSC 410 (1-0). Credit 1;

C. MINIMUM REQUIRED LEARNING OUTCOMES
University Student Learning Outcomes:
- Demonstrate social, cultural, and global competence
- Prepare to engage in lifelong learning
- Practice personal and social responsibility

D. ADDITIONAL LEARNING OUTCOMES
1. Articulate a personal philosophy of executive-level leadership.
2. Discuss and develop effective leadership strategies.
3. Assess individual leadership skills and develop a personal leadership development plan.

E. INSTRUCTOR INFORMATION
Name: TBD
Phone Number: TBD
Office Hours: XXX XX:XX XX to XX:XX XX
Office Location: TBD
F. TEXTBOOKS
Required

*Triple Crown Leadership: Building Excellent, Ethical, and Enduring Organizations; Bob Vanourek and Gregg Vanourek, McGraw Hill, 2012*

G. GRADING POLICIES
Your grade will be based on your mastery of the subject matter. Grades will be based on the number of points you receive for each of the graded areas. The total number of points possible is 100.

**Final Grades** will be awarded based on the following:
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<td>6</td>
<td>Organizational Alignment</td>
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Departmental Request for a New Course
Undergraduate • Graduate • Professional
• Submit original form and attach a course syllabus.

Form Instructions

1. Request submitted by (Department or Program Name): Zachry Department of Civil Engineering

2. Course prefix, number and complete title of course: CVEN 399 Mid-Curriculum Professional Development

3. Catalog course description (not to exceed 50 words): Participation in an approved high-impact learning practice; reflection on professional outcomes from civil engineering body of knowledge; documentation of experience appropriate to eventual professional licensure; self-assessment of learning at mid-curriculum point.

4. Prerequisite(s): CVEN 207; CVEN 250; CVEN 303; CVEN 306; CVEN 311; CVEN 322; CVEN 345; CVEN 363

Cross-listed with: N/A

Stacked with: N/A

Cross-listed courses require the signature of both department heads.

5. Is this a variable credit course? □ Yes  ☒ No

If yes, from _____ to ______

6. Is this a repeatable course? □ Yes  ☒ No

If yes, this course may be taken _____ times.

Will this course be repeated within the same semester? □ Yes  ☐ No

7. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)

B.S. in Civil Engineering

b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

N/A

8. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

9. Prefix  Course #  Title (excluding punctuation)
    CVEN  399  MID-CURRICULUM PROF DEVT

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<tr>
<th>Lect.</th>
<th>Lab.</th>
<th>SCH</th>
<th>CIP and Fund Code</th>
<th>Admin. Unit</th>
<th>Acad. Year</th>
<th>FICE Code</th>
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</table>

Approval recommended by:

Robin Autenrieth  Date

Department Head or Program Chair (Type Name & Sign)

Chair, College Review Committee  Date

Dean of College  Date

Department Head or Program Chair (Type Name & Sign) (if cross-listed course)

Chair, GC or UCC  Date

Submitted to Coordinating Board by:

Associate Director, Curricular Services  Date

Questions regarding this form should be directed to Sandra Williams at 845-8301 or sandra.williams@tamu.edu.

Curricular Services – 02/14
Course title and number: CVEN 399: Mid-Curriculum Professional Development
Term: Fall 2016
Meeting times and location: TBA

Course Description and Prerequisites

CVEN 399. Mid-Curriculum Professional Development. (0-0). Credit 0. Participation in an approved high-impact learning practice; reflection on professional outcomes from civil engineering body of knowledge; documentation of experience appropriate to eventual professional licensure; self-assessment of learning at mid-curriculum point. Prerequisites: CVEN 207; CVEN 250; CVEN 303; CVEN 306; CVEN 311; CVEN 322; CVEN 345; CVEN 363; or approval of instructor.

Learning Outcomes

The Civil Engineering Department expects graduates of our program to have achieved certain educational outcomes as part of the ABET accreditation process, which are listed below. Depending on the specific high-impact learning practice experienced by the student, they will be able to:

- Apply knowledge of mathematics, science, and engineering
- Design and conduct experiments, as well as analyze and interpret data
- Design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability
- Function on multidisciplinary teams
- Identify, formulate, and solve engineering problems
- Understand professional and ethical responsibility
- Communicate effectively
- Understand the impact of engineering solutions in a global, economic, environmental, and societal context
- Recognize the need for and have an ability to engage in life-long learning
- Obtain a knowledge of contemporary issues
- Use the techniques, skills, and modern engineering tools necessary for engineering practice.

The Civil Engineering Department has also aligned its curriculum with the American Society of Civil Engineers (ASCE) Body of Knowledge, version 2 (BOK2). This course will specifically have students consider a sub-set of the following BOK2 outcomes and their role in the student's professional development:

- Social Science
- Problem Recognition and Solving
- Contemporary Issues and Historical Perspectives
- Business and Public Administration
- Lifelong/Self-directed Learning
- Risk and/or Uncertainty
- Attitudes
- Project Management
- Globalization
Instructor Information

Name: Dr. Kelly Brumbelow
Telephone number: 979-845-7436
Email address: kbrumbelow@civil.tamu.edu
Office hours: TBA
Office location: CE 139-B

Textbook and Resource Material

There is no textbook for this course.

Class resources will be posted on the course website at http://ecampus.tamu.edu to include the following:

- Survey of ASCE BOK2 outcomes self-assessment
- Reflection/Critical Thinking writing assignment
- Texas Board of Professional Engineers (TBPE) Supplementary Experience Record (SER) form for documentation of high-impact learning experience
- Evaluation rubric

Grading Policies

This course will be graded on a pass/fail (S/U) basis only.

Criteria for achieving a passing grade are successful completion of all of the following assignments listed below by due date. The course instructor will determine whether any submission will count as "successful completion" or "incomplete." Submissions deemed "incomplete" will be returned to the student for revision and re-submission within 7 days; only 1 opportunity for revision will be given for any assignment. A second submission deemed "incomplete" will result in a failing grade of "U," and the student will be required to repeat the course.

Due on 1st Class Day

- Pre-approval of CVEN 399 High-Impact Learning Experience and Nomination of Mentor

Due 1 week before 1st Final Exam Day

- Documentation of activities performed in high-impact learning experience using TBPE SER form
- Survey of student self-assessment of ASCE BOK2 outcomes
- Reflection/Critical Thinking writing assignment

Attendance and Make-up Policies

All absences will be handled according to TAMU Student Rule 7 (http://student-rules.tamu.edu/rule07), which states: "The university views class attendance as an individual student responsibility. Students are expected to attend class and to complete all assignments. Instructors are expected to give adequate notice of the dates on which major tests will be given and assignments will be due [i.e. this syllabus]." Homework assignments will have due dates extended by the number of days of excused absence. Individual arrangements will be made for exams and quizzes missed due to an excused absence. All excused absences must have appropriate documentation submitted to the instructor. For illnesses or injuries resulting in absences of less than 3 days, the "Explanatory Statement for Absence from Class" is sufficient. For longer periods, a doctor's note will be required. Please contact the instructor as soon as you know that you will miss a quiz or exam date, or if due to an emergency, as soon as possible afterwards. Students are not required to notify the instructor or provide an excuse for a class day on which no graded assignment or activity takes place.
Course Topics, Calendar of Activities, Major Assignment Dates
This course requires you to participate in an approved high-impact learning practice (HILP) in support of your B.S. in Civil Engineering degree. Your HILP should be one of the following:

- Internship
- Co-op work semester
- Study abroad
- Service learning experience (e.g., Engineers Without Borders, Just4Water)
- Undergraduate research
- Co-curricular leadership (e.g., senior-level officer position in ASCE, Concrete Canoe Team, or other engineering student organization)
- Directed Studies (e.g., CVEN 485)
- Other HILP as approved by the instructor

You should register for the section appropriate to your pre-approved HILP – e.g., section 501 = Internship, section 502 = Study Abroad, etc.

You must have pre-approval for your specific HILP from the course instructor by the first class day of the term in which you take this course. Your pre-approval submission must include a professional supervisor/mentor who will oversee your work, certify hours worked, and aid in assessment of your final deliverables (see "Grading Policies" below).

As you near completion of your HILP, you will prepare your final deliverables (see "Grading Policies" below). These ask you to reflect deeply on what you have learned in your HILP as well as your BS-CVEN curriculum to-date. These items will be shared with your supervisor/mentor to help her/him better understand how to provide a good learning experience.

Americans with Disabilities Act (ADA)
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, in Cain Hall, Room B118, or call 845-1637. For additional information visit http://disability.tamu.edu

Academic Integrity
For additional information please visit: http://aggiehonor.tamu.edu

"An Aggie does not lie, cheat, or steal, or tolerate those who do."

As engineers, we have a strong code of ethics that we must follow, in order to ensure the safety of the public. Texas A&M students, as part of their professional training, are expected to understand and follow the Aggie honor code, which may be found at www.tamu.edu/aggiehonor. The Dean of Faculties asks us to remind you that, "Upon accepting admission to Texas A&M University, a student immediately assumes a commitment to uphold the Honor Code, to accept responsibility for learning, and to follow the philosophy and rules of the Honor System. Students will be required to state their commitment on all work submitted in this course. Ignorance of the rules does not exclude any member of the TAMU community from the requirements of the processes of the Honor System."

Violation of this rule will result in a severe penalty that can include a grade of zero on the quiz or exam, reduction of semester grade, and/or report to the Aggie Honor Council, as appropriate.
Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
• Submit original form and attach a course syllabus.

Form Instructions
1. Course request type: ☑ Undergraduate ☐ Graduate ☐ First Professional (DDS, MD, JD, JHarmD, DVM)
2. Request submitted by (Department or Program Name): Department of Electrical and Computer Engineering
3. Course prefix, number and complete title of course: ECEN 423 Computer and Wireless Networks

5. Prerequisite(s): Grade of C or better in MATH 311; junior or senior classification.

Cross-listed with: 
Stacked with: 
(Cross-listed courses require the signature of both department heads)

6. Is this a variable credit course? ☐ Yes ☑ No If yes, from _______ to _______

7. Is this a repeatable course? ☐ Yes ☑ No If yes, this course may be taken _______ times.

Will this course be repeated within the same semester? ☐ Yes ☑ No

8. Will this course be submitted to the Core Curriculum Council? ☑ Yes ☐ No

9. How will this course be graded? ☑ Grade ☐ S/U ☑ P/F (CLMD)

10. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)

   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

B.S. in ELEN or CEEN

11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

12. ☑ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

13. 

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Approval recommended by:

Ayvin I. Karsilayan 11/16/2015
Department Head or Program Chair (Type Name & Sign) Date

Chair, College Review Committee 11/19/2015

Dean of College 11/19/2015

Submitted to Coordinating Board by:

Associate Director, Curricular Services

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu.
Curricular Services – 07/14
**Course title and number**
ECEN 423 Computer and Wireless Networks

**Term (e.g., Fall 200X)**
Fall 2016

**Meeting times and location**
TBA

---

**Course Description and Prerequisites**
Fundamentals of wired and wireless computer networks, design, and performance evaluations of wired and wireless networks, various unguided media characterizations and classifications/comparisons, digital-data representations/transmissions, error control, MAC protocols, routing, TCP/UDP/IP, wireless TCP, queuing-delay/loss modeling, IEEE 802.11 and its interconnections with Internet, and QoS-provisioning over wired/wireless networks. Grade of C or better in MATH 311; junior or senior classification.

---

**Learning Outcomes or Course Objectives**
Upon completion of the course, the students will be able to:
- Perform analytical and simulation analyses for typical wireless/wired networks
- Design wired/wireless network protocols for some simple scenarios, which are often must-to-know knowledge and skills required for electrical/computer engineering students before they graduate and join job markets.
- Describe the fundamentals of wired and wireless computer networks, including both of the basic networks modeling principles and some popular wired and wireless protocols.
- Simulate wireless/wired networks by using NS-2 software and C/C++ Language.

---

**Instructor Information**

Name: Xi Zhang  
Telephone number: 979-458-1416  
Email address: xizhang@ece.tamu.edu  
Office hours: TBA  
Office location: 331D WERC

---

**Textbook and/or Resource Material**
Multiple books will be used as references for this course. A partial list of references is listed below. Handouts and research papers will also be distributed to serve as course references.

Grading Policies

Midterm Exam (30%)
Final Exam (30%)
Homework and Quizzes (20%)
Project (20%)

The course project consist of the following two parts in details during the semester:

(1) The students are required to use NS-2 simulation software/package and C/C++ language to implement and simulate a transport-layer connection under the specified protocols (including TCP and rate-based ATM Transport Protocol) and their parameters. The goal is to show how the connection round-trip time, bottleneck bandwidth, and bottleneck-router buffer-size affect the throughput performance, retransmission rates, normalize buffer-size condition for no-packet-loss during slow start phase. The first part of project need to be performed and finished by each student independently and the project reports need include the simulation schemes design, tests analyses, and performance evaluations using plots/tables.

(2) The students are required to use NS-2 simulation software/package and C/C++ language to implement and simulate the IEEE 802.11 Wireless LAN (WLAN) protocols (for both Pure-Aloha and Time-Slotted Aloha based MAC protocols) to cover a given Wi-Fi cell. The goal is to quantitatively validate IEEE 802.11 WLAN and analyze, evaluate, and compare the throughput performances between the Pure-Aloha and Time-Slotted Aloha based MAC protocols. The second part of this project will be performed and finished each in the small group of students and the independent project reports need include the simulation schemes design, tests analyses, and performance evaluations/comparisons using plots/tables.

Grading Scale: A:100-90  B:89-80  C:79-70  D:69-60  F:<60

Attendance and Make-up Policies

Students who miss more than 3 classes without excuse are not allowed to take the final exam and will receive a Final Grade F. For the Excused Absences, please refer to Academic Rule 07 (http://studentrules.tamu.edu/rule07).

Late submission of assignments will be accepted only in the case of university excused absences.

If an absence is excused, the instructor will either provide the student an opportunity to make up any quiz exam or other work that contributes to the final grade or provide a satisfactory alternative by a date agreed upon by the student and instructor. If the instructor has a regularly scheduled make up exam, students are expected to attend unless they have a university approved excuse. The make-up work must be completed in a timeframe not to exceed 30 calendar days from the last day of the initial absence.

The student is responsible for providing satisfactory evidence to the instructor to substantiate the reason for the absence. Among the reasons absences are considered excused by the university are the following (see Student Rule 7 for details http://studentrules.tamu.edu/rule07). The fact that these are university-excused absences does not relieve the student of responsibility for prior notification and documentation. Failure to notify and/or document properly may result in an unexcused absence. Falsification of documentation is a violation of the Honor Code.

1) Participation in an activity that is required for a class and appears on the university authorized activity list at https://studentactivities.tamu.edu/app/sponsorlist/index
2) Death or major illness in a student's immediate family.
3) Illness of a dependent family member.
4) Participation in legal proceedings or administrative procedures that require a student's presence.
5) Religious holy day. NOTE: Prior notification is NOT required.
6) Injury or illness that is too severe or contagious for the student to attend class.
a) Injury or illness of three or more class days:
   Student will provide a medical confirmation note from his or her medical provider within one week
   of the last date of the absence (see Student Rules 7.1.6.1)

b) Injury or illness of less than three class days:
   Student will provide one or both of these (at instructor's discretion), within one week of the last
   date of the absence:
   (i) Texas A&M University Explanatory Statement for Absence from Class form available at
       http://attendance.tamu.edu
   (ii) Confirmation of visit to a health care professional affirming date and time of visit.

c) An absence for a non-acute medical service does not constitute an excused absence.

7) Required participation in military duties.
8) Mandatory admission interviews for professional or graduate school that cannot be rescheduled.
9) Mandatory participation as a student-athlete in NCAA-sanctioned competition.
10) In accordance with Title IX of the Educational Amendments of 1972, Texas A&M University shall treat
    pregnancy (childbirth, false pregnancy, termination of pregnancy and recovery therefrom) and related
    conditions as a justification for an excused absence for so long a period of time as is deemed
    medically necessary by the student's physician. Requests for excused absence related to pregnancy
    should be directed to the instructor.

Other absences may be excused at the discretion of the instructor with prior notification and proper
documentation.

In cases where prior notification is not feasible (e.g., accident or emergency) the student must provide
notification by the end of the second working day after the absence, including an explanation of why notice
could not be sent prior to the class.

Accommodations sought for absences due to the observance of a religious holiday can be sought either
prior or after the absence, but not later than two working days after the absence.

<table>
<thead>
<tr>
<th>Week</th>
<th>Course Topics, Calendar of Activities, Major Assignment Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Introduction to Computer and Wireless Communications Networks</td>
</tr>
<tr>
<td>2</td>
<td>Unguided Media Classifications: Water, Ocean, Air, and Deep-Space</td>
</tr>
<tr>
<td>3</td>
<td>Transmission Modalities Comparisons: Acoustic, Optical, and RF/Magnetic</td>
</tr>
<tr>
<td>4</td>
<td>The Fundamentals of Communications Networks: WAN, LAN; Packet Switching vs. Circuit Switching</td>
</tr>
<tr>
<td>5</td>
<td>TCP/IP, UDP, and Routing</td>
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<td>6</td>
<td>Asynchronous Transfer Mode (ATM)</td>
</tr>
<tr>
<td>7</td>
<td>Analysis of the Increase and Decrease Algorithms for Congestion Avoidance in Computer Networks</td>
</tr>
<tr>
<td>7</td>
<td>Midterm Exam</td>
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<tr>
<td>8</td>
<td>Time-Sensitive and Bandwidth-Extensive Multimedia Transmissions Over Mobile Wireless Networks</td>
</tr>
<tr>
<td>9</td>
<td>Energy-Efficiency in Wireless Sensor-Networks vs. Mobility in VANETs</td>
</tr>
<tr>
<td>10</td>
<td>Multi-Hop 3D Clustered Wireless Camera-Sensor Networks</td>
</tr>
<tr>
<td>11</td>
<td>Wireless Signal Encoding Techniques</td>
</tr>
<tr>
<td>12</td>
<td>Medium Access Control Protocols (Aloha vs. Time-Slotted Aloha Protocols Families)</td>
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<tr>
<td>13</td>
<td>Local Area Networks and Architectures, Wireless Local Area Networks, and 802.11 Wireless LAN</td>
</tr>
<tr>
<td>14</td>
<td>Rate-Based Decoupled Flow and Error Control for Wireless Transport Layer Protocols</td>
</tr>
<tr>
<td>15</td>
<td>Final Exam and Project Submission</td>
</tr>
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</table>
Americans with Disabilities Act (ADA)

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, in Cain Hall, Room B118, or call 845-1637. For additional information visit http://disability.tamu.edu

Academic Integrity

For additional information please visit: http://www.tamu.edu/aggiehonor

"An Aggie does not lie, cheat, or steal, or tolerate those who do."
MEMORANDUM

TO: Steven M. Wright
   Associate Department Head
   Department of Electrical and Computer Engineering

FROM: John Keyser
   Associate Department Head
   Department of Computer Science and Engineering

DATE: November 19, 2015

SUBJECT: Support for ECEN 423

The Department of Computer Science and Engineering supports the creation of the “Computer and Wireless Networks” class being proposed by the Department of Electrical and Computer Engineering as a permanent course, ECEN 423. We believe the content addresses a different need than existing courses, and have no objection to it being created as a permanent course.

We will plan to discuss in our joint Computer Engineering Coordinating Committee how the course might apply to the Computer Engineering degree (for CEEN and CECN majors).
Texas A&M University
Departmental Request for a New Course
Undergraduate + Graduate + Professional
Submit original form and attach a course syllabus.

Form Instructions

1. Course request type:  
   - Undergraduate [x]  
   - Graduate [ ]  
   - First Professional (DDS, MD, JD, PharmD, DVM) [ ]

2. Request submitted by (Department or Program Name):  
   Department of Electrical and Computer Engineering

3. Course prefix, number and complete title of course:  
   ECEN 484 Professional Internship

4. Catalog course description (not to exceed 50 words):  
   Professional internship in a private company, government agency or laboratory, university, or organization to provide work and/or research experience related to the student's major and career objectives.

5. Prerequisite(s):  
   Grade of C or better in ECEN 214 or ECEN 248; junior or senior classification; approval of internship agency and instructor.

6. Is this a variable credit course?  
   - Yes [x]  
   - No [ ]  
   If yes, from ______ to ______

7. Is this a repeatable course?  
   - Yes [x]  
   - No [ ]  
   If yes, this course may be taken ______ times.

8. Will this course be repeated within the same semester?  
   - Yes [x]  
   - No [ ]

9. Will this course be submitted to the Core Curriculum Council?  
   - Yes [x]  
   - No [ ]

10. How will this course be graded?  
   - Grade [x]  
   - S/U [ ]  
   - P/F (CLMD) [ ]

11. This course will be:  
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)

   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

   B.S. in ELEN or CEEN

12. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

13. Prefix | Course # | Title (excluding punctuation) | Lect | Lab | Other | SCHL | CLIP and Brand Code | Admin. Unit | Acad. Year | HGE Code |
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Approval recommended by:  
Aydin L. Karsilayan  
Department Head or Program Chair (Type Name & Sign)  
Date  
10/19/2015

Chair, College Review Committee  
Date

Dean of College  
Date

Submitted to Coordinating Board by:  
Chair, GC or UCC  
Date

Associate Director, Curricular Services  
Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu
Curricular Services – 07/14
Course title and number: ECEN 484 Professional Internship
Term (e.g., Fall 200X): Summer 2017
Meeting times and location: TBA

Course Description and Prerequisites

Professional internship in a private company, government agency or laboratory, university, or organization to provide work and/or research experience related to the student's major and career objectives. Prerequisites: Grade of C or better in ECEN 214 or ECEN 248; junior or senior classification; approval of internship agency and instructor.

Learning Outcomes

Upon successful completion of this course, students will be able to
- Relate electrical and computer engineering concepts to real-world environments.
- Apply knowledge gained in electrical and computer engineering to solve engineering problems in a workplace.
- Demonstrate professionalism, competency and skills in a workplace.
- Document and present technical results.

Instructor Information

Name: Aydin I. Karsilayan
Telephone number: (979) 458-3555
Email address: karsilay@ece.tamu.edu
Office hours: By appointment
Office location: WEB 318-C

Textbook and/or Resource Material

No textbook. Resources are available on e-campus.

Grading Policies

Grading is based on evaluation forms and the technical report. Full-time attendance (40 hrs/week) of internship, technical report and all evaluation forms are required for a passing grade.

Evaluation forms: 30%
Technical report: 70%

Grade scale: A: 90-100, B: 80-89, C: 70-79, D: 60-69, F:<60
Attendance and Make-up Policies

Full-time attendance is required and will be verified by your immediate supervisor through the evaluation forms. Late reports will not be accepted. For more information about university attendance policies, see student rule 7: http://student-rules.tamu.edu/rule07.

Major Assignment Dates

The following assignments are due on the last day of classes in the internship semester. They must be submitted as a pdf file on http://ecampus.tamu.edu.

- **Technical report (MS-Word template provided on e-campus)**
  - Describe accomplishments, projects worked on, new topics learned or experienced, applied knowledge in the major area, etc. Focus on the tasks related to electrical and computer engineering.
  - Maximum 15 pages (excluding the appendices and the references).
  - Reports should not include any company confidential information.
  - The title page of the report must have the supervisor's signature, indicating that it is approved for release.
  - Reports that are not signed will not be accepted.

- **Evaluation forms** (available on e-campus)
  - Employer's Evaluation of Co-op Student (completed by the supervisor)
  - Employer's Assessment of Student's Academic Preparation (completed by the supervisor)
  - Student's Evaluation of Work Experience (completed by the student)

Americans with Disabilities Act (ADA)

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, in Cain Hall, Room B118, or call 845-1637. For additional information visit http://disability.tamu.edu

Academic Integrity

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"An Aggie does not lie, cheat, or steal, or tolerate those who do."
Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
Submit original form and attach a course syllabus.

Form Instructions:
1. Course request type: ☑ Undergraduate  ☐ Graduate  ☐ First Professional (DDS, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name):
   Department of Architecture
3. Course prefix, number and complete title of course:
   ENDS 108 - Design and Visual Communication Foundations II
4. Catalog course description (not to exceed 50 words):
   Approaches to problem identification and problem solving emphasizing human, physical and cultural factors influencing architectural design. Understanding of space, materiality, and tectonics in a human body scale. Further development of drawing methods with emphasis on analytical drawing. Reinforcement of visual and verbal communication as applied to design processes.

5. Prerequisite(s):
   ENDS 105 and ENDS 115
   Stacked with:
   Cross-listed courses require the signature of both department heads.

6. Is this a variable credit course? ☑ Yes  ☐ No  If yes, from _______ to _______
7. Is this a repeatable course? ☑ Yes  ☐ No  If yes, this course may be taken _______ times.
   Will this course be repeated within the same semester? ☐ Yes  ☑ No
8. Will this course be submitted to the Core Curriculum Council? ☑ Yes  ☐ No
9. How will this course be graded? ☑ Grade  ☐ S/U  ☑ P/F (CLMD)
10. This course will be:
    a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)
       Environmental Design and Architectural Studies (EDAS, BED)
    b. an elective for students enrolled in the following degree program(s) (e.g., M.S. in geography)

11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.
12. ☑ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education)

13. Prefix  Course #  Title (excluding punctuation)
    ENDS  108  Des & Vis Comm Found II

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<td>0290</td>
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<td>17</td>
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Approval recommended by:
Ward V. Wells  Chair, College Review Committee
Department Head or Program Chair (Type Name & Sign)  Date
Leslie Feigenbaum  Dean of College
Department Head or Program Chair (Type Name & Sign)  Date

Submitted to Coordinating Board by:
Chair, GC or UCC  Date

Associate Director, Curricular Services  Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu.
Curricular Services – 07/14
Course Description and Prerequisites

Design and Visual Communication Foundations II. (1-12). Credit 5. Approaches to problem identification and problem solving emphasizing human, physical and cultural factors influencing architectural design. Understanding of space, materiality, and tectonics in a human body scale. Further development of drawing methods with emphasis on analytical drawing. Reinforcement of visual and verbal communication as applied to design processes. Prerequisites: ENDS 105 and ENDS 115.

Learning Outcomes

Knowledge:
1. Students will develop an awareness of the contexts in which designers operate: natural, social, and cultural.
2. Students will obtain knowledge of basic construction and fabrication materials and methods.
3. Students will demonstrate an articulated vocabulary of basic architectural concepts in a variety of settings: desk critiques, small group presentations and formal project presentations, student will develop basic vocabularies to start an architectural discourse.

Discovery:
1. Students will be able to identify sources and tools to facilitate formulation and development of clear design intentions and language.
2. Students will develop the ability to use both drawings and models at various scales to facilitate design thinking.
3. Students will be able to analyze, evaluate, and self-evaluate design work.

Communication:
1. Students will be able to visually think, describe, and analyze form and space.
2. Students will learn collaborative skills in team communication projects.
3. Students will demonstrate articulated vocabulary of visual communication concepts in a variety of settings: desk critiques, small group presentations, and formal project presentations.

Making:
1. Students will understand the "craft" of making in various forms, such as text, drawing, model, and full-scale construction.

Instructor Information

Name: Dr. Weling He
Telephone number: 979.845.0129
Email address: whe@arch.tamu.edu
Office hours: TBA
Office location: ARCH A414
Textbook and/or Resource Material

Recommended Textbooks

Additional readings will be assigned as class progresses.

Grading Policies

Students should refer to the Academic section in Student Rules and Regulations

Other Pertinent Grading Information (Rubric Included)

Design may be spoken about as a composition of two major parts, process and product. Process is about means or methods relating to how the activity of design occurs. Product is about the end result of designing or what is designed. Together process and product are inseparable aspects that form a typical understanding of architectural design.

Process - The process grade is given for the student's initiative in the elaboration of design goals, the exploration of alternative solutions to the given problem and for sustained effort during the course of the design project. The design process should be documented in sketches, models and written notes, all of which facilitate daily discussion.

Product - The product grade is given for a coherent final project, presented both graphically and verbally at final reviews. Models will be graded on craftsmanship, completion and support to the drawings. Drawings will be graded on craftsmanship, depth of inquiry, resolution and support to the model.

Your grade will be based upon the following assignments and projects:

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Percentage of Final Grade</th>
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</thead>
<tbody>
<tr>
<td>Phase 1</td>
<td>10%</td>
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<tr>
<td>Phase 2</td>
<td>30%</td>
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<td>Phase 3</td>
<td>40%</td>
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<tr>
<td>Competition</td>
<td>10%</td>
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<tr>
<td>Class participation</td>
<td>10%</td>
</tr>
</tbody>
</table>

Specific evaluation criteria can be found on assignment handouts available at the beginning of each project. Each assignment will receive numeric grade and its equivalent letter grade based on the following.

A = 100 - 90: The student work has imagination, shows understanding and thought; Presentation and visual content is excellent; The response to brief is highly developed and well presented; The assignment shows depth and breadth; The potential has been achieved. The student showed maximum initiative in the elaboration of the assigned goal, explored alternative solutions to the given problem and sustained effort during the course of the project.

B = 89 - 80: The student work shows imagination and potential; Presentation and visual content is good, but in need of more refinement or development; The craftsmanship is good. The assignment is complete. There are no major issues that would require a total reworking. The student showed maximum initiative in the elaboration of the assigned goal, explored some alternative solutions to the given brief and sustained effort during the course of the project.

C = 79 - 70: The student has solved the assigned project, but the solution lacks depth of understanding; Presentation and visual content is good, but in need of more refinement or development; The craftsmanship shows lack of effort or lack of time. The student showed initiative in the elaboration of the
assigned goal, explored some alternative solutions to the given brief and sustained effort during the course of the project.

D = 69 - 60: The student work lacks imagination and potential; Presentation and visual content lacks clarity, craftsmanship; Skill and response to the brief is marginal or incomplete; The student did not show maximum initiative in the elaboration of the assigned goal, did not explore alternative solutions to the given brief and did not sustain effort during the course of the project.

F = 59 and below: The student work is unresolved; the intentions are unclear and major criteria or goals lack resolution; Presentation and visual content is incomplete and/or of poor quality; There is a lack of problem solving intent, and visual merit. The student did not show maximum initiative in the elaboration of the assigned goal, did not explore alternative solutions to the given brief and did not sustain effort during the course of the project.

The use of social networking sites and cell phone use during scheduled studio class times is prohibited and will result in a 5 point deduction from the project grade for each noted occurrence.

See the section on Attendance for possible deductions from project and final grades due to excessive unexcused absences in class and unexcused absences from final project reviews.

Once a project has begun, due dates are final, as extensions often prove less beneficial to students who have managed their time wisely.

**Attendance and Make-up Policies**

The University views class attendance as the responsibility of an individual student. Attendance is essential to complete the course successfully. University rules related to excused and unexcused absences are located on-line at http://student-rules.tamu.edu/rule07

Project due dates will be provided in the project statements. Students should contact the instructor if work is turned in late due to an absence that is excused under the University’s attendance policy. In such cases the instructor will either provide the student an opportunity to make up any quiz, exam or other graded activities or provide a satisfactory alternative to be completed within 30 calendar days from the last day of the absence. There will be no opportunity for students to make up work missed because of an unexcused absence.

**Other Pertinent Attendance Information**

On time attendance is essential to complete the course successfully. The design studio is a long duration class and you are expected to be in attendance for the entire session.

Unexcused Late Arrivals and/or Early Departures will be accounted as (1) Absence.

The third unexcused absence will receive a 5-point deduction from the final course grade. Each subsequent unexcused absence thereafter will result in a 5-point deduction from the final grade.

Unexcused absences during scheduled final project reviews will result in a 20 point deduction from the project grade.
# Course Topics, Calendar of Activities, Major Assignment Dates

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
<th>Required Reading</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Composition (Phase 1)</td>
<td>Textbook 1: Chp 1; Textbook 2: Chp 1</td>
</tr>
<tr>
<td>2</td>
<td>Depth, Volume</td>
<td>Textbook 2: Chp 2</td>
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<tr>
<td>3</td>
<td>Space (Phase 2)</td>
<td>Textbook 1: Chp 2; Textbook 2: Chp 3</td>
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<tr>
<td>4</td>
<td>Sectional Quality</td>
<td>Textbook 2: Chp 4</td>
</tr>
<tr>
<td>5</td>
<td>Materiality</td>
<td>Textbook 1: Chp 3; Textbook 2: Chp 5</td>
</tr>
<tr>
<td>6</td>
<td>Shades and Shadow</td>
<td>Textbook 2: Chp 6</td>
</tr>
<tr>
<td>7</td>
<td>Spatial Rhythm (Phase 3)</td>
<td>Textbook 1: Chp 4; Textbook 2: Chp 7</td>
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<td>8</td>
<td>Architectural Condition</td>
<td>Textbook 2: Chp 8</td>
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<tr>
<td>9</td>
<td>Site Relation</td>
<td>Textbook 1: Chp 5; Textbook 2: Chp 9</td>
</tr>
<tr>
<td>10</td>
<td>Material and Space</td>
<td>Textbook 2: Chp 10</td>
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<td>11</td>
<td>Making</td>
<td>Textbook 1: Chp 6; Textbook 2: Chp 11</td>
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<td>12</td>
<td>Time</td>
<td>Textbook 2: Chp 12</td>
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<tr>
<td>13</td>
<td>Context</td>
<td>Textbook 1: Chp 7</td>
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<td>14</td>
<td>Architectural Concept</td>
<td></td>
</tr>
</tbody>
</table>

### Americans with Disabilities Act (ADA)

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information visit [http://disability.tamu.edu](http://disability.tamu.edu).

### Academic Integrity

"An Aggie does not lie, cheat, or steal, or tolerate those who do."

Upon accepting admission to Texas A&M University, a student immediately assumes a commitment to uphold the Honor Code, to accept responsibility for learning, and to follow the philosophy and rules of the Honor System. Students will be required to state their commitment on examinations, research papers, and other academic work. Ignorance of the rules does not exclude any member of the TAMU community from the requirements or the processes of the Honor System. For additional information please visit: [http://aggiehonor.tamu.edu](http://aggiehonor.tamu.edu)

### Care of Facilities

The use of spray paint, spray adhesive or other surface-altering materials is not permitted in the Langford Complex, except in designated zones. Students who violate this rule will be liable for the expenses associated with repairing damaged building finishes and surfaces. At the end of the semester, your area must be clean of all trash.

No power tools may be used in the design studio, no dust or odor producing processes may be conducted in the studio, no wet casting processes may be conducted in the studio, the college shop and spray booth facilities must be used for the above mentioned processes. Professional behavior and conduct is expected of each student.

All studio desks must be covered. In addition students must have at minimum an 18" x 24" cutting mat at their desk.
Studio Policy (required of all studios)

All students, faculty, administration and staff of the Department of Architecture at Texas A&M University are dedicated to the principle that the Design Studio is the central component of an effective education in architecture. They are equally dedicated to the belief that students and faculty must lead balanced lives and use time wisely, including time outside the design studio, to gain from all aspects of a university education and world experiences. They also believe that design is the integration of many parts, that process is as important as product, and that the act of design and of professional practice is inherently interdisciplinary, requiring active and respectful collaboration with others.

Students and faculty in every design studio will embody the fundamental values of optimism, respect, sharing, engagement, and innovation. Every design studio will therefore encourage the rigorous exploration of ideas, diverse viewpoints, and the integration of all aspects of architecture (practical, theoretical, scientific, spiritual, and artistic), by providing a safe and supportive environment for thoughtful innovation. Every design studio will increase skills in professional communication, through drawing, modeling, writing and speaking.

Every design studio will, as part of the syllabus introduced at the start of each class, include a clear statement on time management, and recognition of the critical importance of academic and personal growth, inside and outside the studio environment. As such it will be expected that faculty members and students devote quality time to studio activities, while respecting the need to attend to the broad spectrum of the academic life. Every design studio will establish opportunities for timely and effective review of both process and products. Studio reviews will include student and faculty peer review. Where external reviewers are introduced, the design studio instructor will ensure that the visitors are aware of the Studio Culture Statement and recognize that the design critique is an integral part of the learning experience. The design studio will be recognized as place for open communication and movement, while respecting the needs of others, and of the facilities.

Important Links Below

Department of Architecture Website | http://depts.arch.tamu.edu/
Department Financial Assistance | http://depts.arch.tamu.edu/financial-assistance/
Academic Calendar | http://registrar.tamu.edu/general/calendar.aspx
Final Exam Schedule Online | http://registrar.tamu.edu/Courses-Registration-Scheduling/Final-Exam-Schedule
On-Line Catalog | http://catalog.tamu.edu
Student Rules | http://student-rules.tamu.edu/
Aggie Honor System Office | http://aggiehonor.tamu.edu/
American Institute of Architecture website | http://www.aia.org/index.htm
Texas A&M University
Departmental Request for a New Course
Undergraduate ∙ Graduate ∙ Professional

Form Instructions
1. Course request type: ☑ Undergraduate ☐ Graduate ☐ First Professional (DDS, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name): Department of English
3. Course prefix, number and complete title of course:
   ENGL 305 Texas Literature

4. Catalog course description (not to exceed 50 words):
   Examination of Texas literature, culture and multimedia. Exploration of the development of Texas identities and responses to the rich cultural diversity within the state; topics vary from each section.

5. Prerequisite(s):
   junior or senior classification

6. Is this a variable credit course? ☐ Yes ☑ No
   If yes, from _______ to _______

7. Is this a repeatable course? ☐ Yes ☑ No
   If yes, this course may be taken _______ times.
   Will this course be repeated within the same semester? ☐ Yes ☑ No

8. Will this course be submitted to the Core Curriculum Council? ☜ Yes ☐ No

9. How will this course be graded:
   ☑ Grade ☐ S/U ☐ P/F (CLMD)

10. This course will be:
    a. required for students enrolled in the following degree programs(s) (e.g., B.A. in history)

    b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

    B.A. in English; undergraduate general academics

11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

12. ☐ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

13. Prefix Course # Title (excluding punctuation)
   ENGL 305 Texas Literature

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<th>Lab</th>
<th>Other</th>
<th>SCHI</th>
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<th>Admin. Unit</th>
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   Approval recommended by:
   [Signature] 11/17/15
   [Signature] 11/18/15
   [Signature] 11/18/15
   [Signature] 11/18/15
   [Signature] 11/18/15

   Department Head or Program Chair (Type Name & Sign) Date
   Chair, College Review Committee Date
   Department Head or Program Chair (Type Name & Sign) Date
   Dean of College Date
   Submitted to Coordinating Board by:
   [Signature] Date
   Chair, GC or UCC Date
   Effected Date
   [Signature] Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 07/14
Course title and number: ENGL 305 Texas Literature
Term (e.g., Fall 200X): Fall 2014
Meeting times and location: TR 8:00am-9:15am LAAH 372

Course Description and Prerequisites

Examination of Texas literature, Culture, and Multi-Media. Exploration of the development of Texas identities and responses to the rich cultural diversity within the state; topics vary from each section. Junior or Senior Classification.

This course provides an introduction to Texas Literature and Media. We will read fiction and non-fiction written by and about Texas and engage with non-textual materials including film and song. The course will explore the development of Texas identities and responses to the rich cultural diversity within the state. The class reading will be drawn from Lone Star Literature: A Texas Anthology, ed. Don Graham. Movies include Friday Night Lights, Lone Star, and Tender Mercies.

Learning Outcomes

Students should be able to:

- Outline and describe major issues in "Texas Literature,"
- Analyze and interpret literary texts,
- Communicate critical ideas in formal and informal writing,
- Explain the history and cultural milieu of textual production.

Instructor Information

Name: Dr. Amy Earhart
Telephone number: (979) 862-3038
Email address: aeearth@tamu.edu
Office hours: MWF 9:00am-10:00am
Office location: 436 LAAH

Textbook and/or Resource Material


Grading Policies

Grading Scales:

A = 89.5-100 B = 79.5-89 C = 69.5-79 D = 59.5-69 F = <59.5

No curves will be given in the class.

Assignments:

- Texas presentation (5% of course grade)
- Archive Assignment (20% of course grade)
- Texas Project (25% of class grade)
- Oral Report (10% of course grade)
- 2 Exams (20% each - 40% total)

**Texas Presentation:** During the semester each student will select and present an item that gives one view of Texas. On the assigned day, students will share their item with the class in a 5 minute oral presentation. Sign up for appointments at timetrade.com. The Texas Project will be evaluated on the following criteria: quality of oral presentation, powerpoint slides, and information in presentation.

**Archive Assignment:** Archives are created to preserve materials related to particular topics. For this class we will be exploring the archiving of Texas A&M University to learn about how conceptions of identity and place are created. We will meet with the University, and each student will blog in response to this meeting. Each student will select one piece of the Texas A&M University archive to explore. Students will complete an archive survey form. In addition, each student will select one individual artifact for which he or she will write a short research paper.

The Archive Assignment Grade is composed of:

- University Archives blog (10%)
- Archive Survey Form (20 %)
- Omeka entry (20%)
- Short Research Paper, 3-5 pages (50%)

**Texas Project:** The Texas project is designed to allow students to produce their own archive of Texas materials. Students will select and archive an item of Texas history and/or culture. Students might conduct oral interviews, produce a film of a particular location, develop a historical tour, or any other such project that explores the idea of Texas. Students will submit an artifact and a short paper.

**Oral Report:** After Thanksgiving break you will be present your Texas Project to the class. Presentations are to last 3-5 minutes. You are expected to use multimedia presentation tools to enhance your report. All presentations will be uploaded to Omeka prior to your delivery. Sign up for appointments at timetrade.com.

**Exams:**

You will be required to take a midterm and final exam. Both will be cumulative to the date that they are given. The exam format will be a combination of short answer, identification, and essay. All exams will be taken online. Exams will open at 8 am and close at 11:55 pm on the assigned day.
**Attendance and Make-up Policies**

Please see student rule 7: [http://student-rules.tamu.edu/rule07](http://student-rules.tamu.edu/rule07). There are firm due dates for all assignments and tests. I will accept late assignments, but one letter grade will be docked for each calendar day it is late (this includes weekends). You **will not** be allowed to make up an exam or quiz without a university-approved, verified excuse. See above student rule 7 for defined excused absences.

**Course Topics, Calendar of Activities, Major Assignment Dates**

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuesday, September 2</td>
<td>Introduction to Course</td>
</tr>
<tr>
<td>Thursday, September 4</td>
<td>Reading:</td>
</tr>
<tr>
<td></td>
<td>- Lone Star Literature, 15-20</td>
</tr>
<tr>
<td></td>
<td>- Lone Star Literature, 692-708</td>
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<tr>
<td>Tuesday, September 9</td>
<td>Introduce Texas Presentation</td>
</tr>
<tr>
<td></td>
<td>Reading:</td>
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<tr>
<td></td>
<td>- Lone Star Literature, 676-691</td>
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<tr>
<td></td>
<td>- Texas Monthly article,</td>
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<td><a href="http://yestotexas.com/20-signs-that-youre-definitely-a-texan/">http://yestotexas.com/20-signs-that-youre-definitely-a-texan/</a></td>
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<td>Thursday, September 11</td>
<td>Reading:</td>
</tr>
<tr>
<td></td>
<td>- McCarthy, 1-100</td>
</tr>
<tr>
<td>Tuesday, September 16</td>
<td>Reading:</td>
</tr>
<tr>
<td></td>
<td>- McCarthy, 101-200</td>
</tr>
<tr>
<td>Thursday, September 18</td>
<td>Non Class Activity:</td>
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<tr>
<td></td>
<td>- View All the Pretty Horses, Mediamatrix.tamu.edu</td>
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<tr>
<td>Tuesday, September 23</td>
<td>Visit TAMU Archives</td>
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<tr>
<td>Thursday, September 25</td>
<td>Reading:</td>
</tr>
<tr>
<td></td>
<td>- McCarthy, 201-302</td>
</tr>
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<td></td>
<td>- Lone Star Literature, 77-89</td>
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<tr>
<td>Tuesday, September 30</td>
<td>Computer classroom:</td>
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<td></td>
<td>Introduce Omeka; Blocker 129 (end at 9:15)</td>
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<td>Assignment:</td>
</tr>
<tr>
<td></td>
<td>- University Archives Blog Due by 11:55 pm</td>
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<tr>
<td>Thursday, October 2</td>
<td>Reading:</td>
</tr>
<tr>
<td></td>
<td>- Lone Star Literature, 104-114, 126-131, 160-74</td>
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<tr>
<td>Tuesday, October 7</td>
<td>Watch Friday Night Lights, Mediamatrix.tamu.edu</td>
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<td>Discuss TV show</td>
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<td>Thursday, October 9</td>
<td>Reading:</td>
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<td></td>
<td>- Lone Star Literature, 631-66</td>
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<tr>
<td>Date</td>
<td>Activity</td>
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<td>Tuesday, October 14</td>
<td>Reading:</td>
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<td>- Lone Star Literature, 527-46</td>
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<tr>
<td>Thursday, October 16</td>
<td>No class meeting. Take exam</td>
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<td></td>
<td>Assignment:</td>
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<td></td>
<td>- Mid Term Exam</td>
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<td>Tuesday, October 21</td>
<td>Reading:</td>
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<td></td>
<td>- Lone Star Literature, 177-95; 505-26</td>
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<tr>
<td></td>
<td>Introduce Texas Project</td>
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<tr>
<td>Thursday, October 23</td>
<td>Meet in Cushing Archives; Students with last names A-Hooker</td>
</tr>
<tr>
<td></td>
<td>Alternative names should Watch Lone Star, Mediamatrix.tamu.edu</td>
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<tr>
<td>Tuesday, October 28</td>
<td>Meet in Cushing Archives; Students with last names J-Z</td>
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<td>Alternative names should Watch Lone Star, Mediamatrix.tamu.edu</td>
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<tr>
<td>Thursday, October 30</td>
<td>Discuss Lone Star, Mediamatrix.tamu.edu</td>
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<td></td>
<td>Discuss Movie</td>
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<tr>
<td></td>
<td>Assignment:</td>
</tr>
<tr>
<td></td>
<td>- Archive Survey Form Due by 11:55 pm</td>
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<tr>
<td>Tuesday, November 4</td>
<td>Meet in Blocker 129</td>
</tr>
<tr>
<td></td>
<td>Work on Omeka and introduce Archive paper</td>
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<td></td>
<td>Assignment:</td>
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<tr>
<td></td>
<td>- Omeka Entry Due by 11:55 pm</td>
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<tr>
<td>Thursday, November 6</td>
<td>Reading:</td>
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<td></td>
<td>- Lone Star Literature, 196-218; 486-504</td>
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<td>Tuesday, November 11</td>
<td>Reading:</td>
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<td></td>
<td>- Lone Star Literature, 278-307</td>
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<td>Thursday, November 13</td>
<td>Reading:</td>
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<td>- Cisneros, 1-83</td>
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<tr>
<td>Tuesday, November 18</td>
<td>Final Work in Cushing Library</td>
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<td>Thursday, November 20</td>
<td>Texas Project Day</td>
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<td>Assignment:</td>
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<td></td>
<td>- Archive Paper Due by 11:55 pm</td>
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<tr>
<td>Tuesday, November 25</td>
<td>Reading:</td>
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<td>- Cisneros, 84 -165</td>
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<tr>
<td>Thursday, November 27</td>
<td>Thanksgiving</td>
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<td>Tuesday, December 2</td>
<td>Assignment:</td>
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<td>- Texas Project Due by 11:55 pm (upload artifact and paper)</td>
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<tr>
<td></td>
<td>Oral Reports</td>
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<tr>
<td>Thursday, December 4</td>
<td>Oral Reports</td>
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<tr>
<td>Tuesday, December 9</td>
<td>Oral Reports</td>
</tr>
<tr>
<td>Final Exam</td>
<td>As scheduled by TAMU</td>
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</table>
Other Pertinent Course Information

To join eCampus: The course will be available the first day of the fall semester

1. Our course is located at http://ecampus.tamu.edu
2. Log in with your netid and password
3. Select ENGL 305: 500

Americans with Disabilities Act (ADA)

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Academic Integrity

For additional information please visit: http://aggiehonor.tamu.edu

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Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
• Submit original form and attach a course syllabus.

Form Instructions

1. Course request type: [✓] Undergraduate [ ] Graduate [ ] First Professional (DDS, MD, JD, PharmD, DVM)

2. Request submitted by (Department or Program Name): Dwight Look College of Engineering
ENGR 380 - Seminar Series in Engineering Project Management

3. Course prefix, number and complete title of course:

4. Catalog course description (not to exceed 50 words):
Presentations by practicing engineers and professionals addressing engineering project management process and practice; discussion forum to better understand the opportunities and challenges of engineering project management, and the analytical tools and skills required to be successful.

5. Prerequisite(s): ENGR 333 or approval of instructor; junior or senior level classification in the Dwight Look College of Engineering or Biological and Agricultural Engineering (BAEN)
Cross-listed with: Stacked with:

Cross-listed courses require the signature of both department heads.

6. Is this a variable credit course? [ ] Yes [✓] No
If yes, from ___ to ___

7. Is this a repeatable course? [ ] Yes [✓] No
If yes, this course may be taken ___ times.

Will this course be repeated within the same semester? [ ] Yes [✓] No

8. Will this course be submitted to the Core Curriculum Council? [✓] Yes [ ] No

9. How will this course be graded? [ ] Grade [✓] S/U [ ] P/F (CMPD)

10. This course will be:
   a. required for students enrolled in the following degree programs(s) (e.g., B.A. in history)
      Minor in Engineering Project Management
   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

12. [✓] I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

13. Prefix | Course # | Title (excluding punctuation)
   --- | --- | ---
   ENGR | 380 | ENGR Project MGMT Seminar

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<th>Lab</th>
<th>Other</th>
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<th>Admin. Unit</th>
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Approval recommended by:

Department Head or Program Chair (Type Name & Sign) Date

Department Head or Program Chair (Type Name & Sign) Date
(if cross-listed course)

Submitted to Coordinating Board by:

Associate Director, Curricular Services

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu
Curricular Services – 07/14

RECEIVED CURRICULAR SERVICES SEP 25, 2015
COURSE DESCRIPTION

Presentations by practicing engineers and professionals addressing engineering project management process and practice. The course provides a discussion forum for students to better understand the opportunities and challenges of engineering project management, and the analytical tools and skills required to be successful.

COURSE OBJECTIVES

This course is primarily intended to:
- Provide an opportunity to demonstrate both written and oral technical communication skills
- Demonstrate real-world application of project management principles and practices
- Prepare graduates to work effectively in project organizations.
- Encourage students to pursue careers in project management.

LEARNING OUTCOMES

Students completing this course are expected to be able to:
- Define and assess the nature of projects and the goals of project management.
- Function effectively as engineers in project organizations.
- Define and assess project-driven industry segments

COURSE PREREQUISITES

ENGR 333 – Engineering Project Management or Permission of the Instructor.

INSTRUCTOR

TBD

CLASS MEETINGS

TBD

TEXT

None. Specific readings will be assigned by the instructor.

COURSE REQUIREMENTS

Students are expected to actively participate in class discussions with industry presenters. All students will make both oral and written presentations. Extensive reading assignments are made from the assigned texts, from class handouts, and from other sources.
GRADING

Grades will be based on the following:

- In-class exercises: 20%
- Class participation and discussion: 20%
- Group presentations: 20%
- Reading assignment questions: 20%
- Final term paper: 20%

Letter Grades:

- A - from 90 and above
- B - from 80 to 89
- C - from 70 to 79
- D - from 60 to 69
- F - less than 60

CLASS SCHEDULE (Preliminary – subject to change and availability of presenters)

<table>
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<tr>
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<tr>
<td>1</td>
<td>Overview. Project organizations</td>
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GUIDELINES FOR SUBMISSION OF ASSIGNMENTS AND PROJECTS

All assignments and term papers should conform to the following guidelines unless specifically advised otherwise. If these guidelines are unclear, ask the instructor for clarification. Nothing in these guidelines should be construed to be contrary to official Texas A&M policies or to supersede official Texas A&M policies.

Assignments and term papers are due at the beginning of class on the due date specified. Late assignments will be accepted only by prior arrangement with the instructor. University rules on excused absences will be followed. Late term projects will be marked down one letter grade unless prior arrangement with the instructor has been made. Submittals are like bids, in that they are due on the date and time specified, and extensions are rarely given. Extensions will be granted only for circumstances beyond the student's control. E-mail submittals will not be accepted except by prior arrangement and extenuating circumstances.
It is your responsibility to understand the assignment (what is expected, due date, objectives, criteria for evaluation, etc.) before you hand in the finished product and in time to prepare your submittal by the deadline. Read and start on assignments early enough to provide adequate time for questions to the instructor and to your teammates.

Submittals are like engineering reports: they must be in hard copy, printed, spell-checked, and checked for accuracy by all team members. Neatness, grammar, and spelling do count in all engineering work.

Questions about the grading of assignments should be addressed to the instructor within one week of receiving the grade, or before the last class meeting, whichever comes first. If, after understanding the basis for the grade assigned, you feel that you have provided what is asked for but have not received appropriate credit, write a letter to the instructor specifically pointing out these occurrences and documenting your position, and submit it with the unchanged submittal to the instructor. The instructor will then review the grading and contact you.

Teamwork. Homework assignments and term projects may be prepared by teams of 333 students. In such a case, all team members must contribute equally to the preparation of team assignments. Submittals must contain the names of all team members contributing to the product. All team members will be equally responsible for the material contained in the submittals, and all team members will receive the same grade. Any other materials, information, or advice used in the preparation of any submittal must be cited in the submittal. It is essential that each submittal identify and give credit for the work of others when it is used. It is never wrong to use information obtained from other (reliable) sources; it is always wrong not to identify those sources.

Format Submittals should be organized like (brief) engineering studies or reports. Identify all assumptions made and the sources of all technical information. Identify the answers clearly. Text must be printed or typed, not handwritten, in 12 point type and 1 1/2-line spacing. Necessary handwritten material such as graphs and drawings should be large and printed legibly. Provide all team members' names, assignment title, and date at the top of the first page. Number the pages.

Diagrams: Insert diagrams, equations, graphs, etc. into the text near where they are referenced. Cite any supporting material in the text and collect it in appendices.

Summary: Effective communication is essential for success in engineering and construction. Developing that skill requires practice. Be brief, concise, and to the point. Use the spell-checker on the word processor. In the case of team work, every team member should proofread and approve the final document before submittal.

**ACADEMIC HONESTY**

*“An Aggie does not lie, cheat, or steal or tolerate those who do.”* Upon accepting admission to Texas A&M University, a student immediately assumes a commitment to uphold the Honor Code, to accept responsibility for learning, and to follow the philosophy and rules of the Honor System. **Students may be required to state their commitment on examinations, research papers, and other academic work.** Ignorance of the rules does not exclude any member of the TAMU community from the requirements or the processes of the Honor System. For additional information, visit the web at: [http://aggiehonor.tamu.edu/](http://aggiehonor.tamu.edu/).

Students are expected to understand and abide by the Aggie Honor Code presented on the web at: [http://aggiehonor.tamu.edu/](http://aggiehonor.tamu.edu/). No form of scholastic misconduct will be tolerated. Academic misconduct includes cheating, fabrication, falsification, multiple submissions, plagiarism, complicity, etc. These are more fully defined in the above web site. Violations will be handled in accordance with the Aggie Honor System Process described on the web site.

The handouts used in this course are copyrighted. By “handouts,” is meant all materials generated for this class, which include but are not limited to syllabi, notes, quizzes, exams, in-class materials, review sheets, and additional problem sets. Because these materials are copyrighted, you do not have the right to copy the handouts unless you are expressly granted permission in writing.
No form of scholastic dishonesty (cheating, plagiarism, etc.) will be tolerated. As commonly defined, plagiarism consists of passing off as one’s own the ideas, word, writings, etc., which belong to another. In accordance with this definition, you are committing plagiarism if you copy the work of another person and turn it in as your own, even if you should have permission of that person. This includes copying material from books, reports, journals, pamphlets, handouts, other publications, web sites, etc., without giving appropriate credit for those ideas or without identifying material as quotations when taken directly from another source. Plagiarism is one of the worst academic sins, for the plagiarist destroys the trust among colleagues without which research cannot be safely communicated.

Cheating on quizzes and exams will not be tolerated. Cheating will be reported and handled in accordance with the Aggie Honor System Process. Some or all examinations may be closed book; looking at another student’s examination or using external aids (for example, books, notes, calculators, conversation with others, or electronic devices) during these examinations is a violation of Texas A&M Aggie Honor Code, Cheating, unless specifically allowed in advance by the instructor.

Unless specifically allowed in advance by the instructor, all assignments and homework in this class are expected to be completed based on individual effort. Copying the work of others, including homework, is a violation of Texas A&M Aggie Honor Code, Cheating.

Violation of a student rule can result in disciplinary action including a grade penalty, up to and including an F in the course, suspension, dismissal, and expulsion from Texas A&M University. If you have any questions regarding plagiarism or other forms of scholastic dishonesty, consult the latest issue of the Texas A&M University Student Rules, under Section 20, which can also be found at: http://student-rules.tamu.edu/

ATTENDANCE

The university views class attendance as an individual student responsibility. Students are expected to attend class and to complete all assignments. Instructors are expected to give adequate notice of the dates on which major tests will be given and assignments will be due. Refer to the Student Rules Part 7 at http://student-rules.tamu.edu for further information on attendance, etc.

ADA STATEMENT

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information, visit http://disability.tamu.edu.
Texas A&M University
Department Request for a New Course
Undergraduate • Graduate • Professional
• Submit original form and attach a course syllabus.

Form Instructions

1. Course request type:
   - Undergraduate [✓]  
   - Graduate [ ]  
   - First Professional (DDS, MD, JD, PharmD, DVM)

2. Request submitted by (Department or Program Name):
   Dwight Look College of Engineering

3. Course prefix, number and complete title of course:
   SUBS 401 • Fundamentals of Subsea Engineering
   ENGR 430

4. Catalog course description (not to exceed 50 words):
   Orientation to subsea engineering fundamentals, including SURF (Subsea, Umbilicals/Controls, Risers, Flowlines)
   equipment and configurations; exposure to practical, industry focused problems; subsea equipment components;
   design considerations and design drivers; subsea production operations; integrity critical maintenance activities.

5. Prerequisite(s):
   Restriction - undergraduate classification
   Enrolled in Dwight Look College of Engineering or approval of instructor
   Cross-listed with:  
   Stacked with: SUBS 601
   Cross-listed courses require the signature of both department heads.

6. Is this a variable credit course?  
   [✓] No  
   If yes, from _________ to _________

7. Is this a repeatable course?  
   [✓] No  
   If yes, this course may be taken _________ times.

   Will this course be repeated within the same semester?  
   [ ] Yes  
   [✓] No

8. Will this course be submitted to the Core Curriculum Council?  
   [✓] No  
   [ ] Yes

9. How will this course be graded:  
   [✓] Grade  
   [ ] S/U  
   [ ] P/F (CLMD)

10. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)

   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

   BS in Engineering

11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

12. [✓] I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

13. Prefix  
   Course #  
   Title (excluding punctuation)
   SUBS ENGR 401 430  
   FUND SUBSEA ENGR

   Lect. Lab Other SCL CIP and Fund Code Admin. Unit  
   3.00 0.00 0.00 3.00 1424010006 0965 16 - 17
   Acad. Year  
   0 0 3 6 3 2
   HCE Code  
   Level 4

   Approval recommended by:
   Dr. John Hurtado  
   Department Head or Program Chair (Type Name & Sign)  
   Date

   Valerie E. Taylor  
   Chair, College Review Committee  
   Date

   Department Head or Program Chair (Type Name & Sign)  
   Date (if cross-listed course)

   Dean of College

   Submitted to Coordinating Board by:
   Chair, GC or UCC
   Date

   ORI CUG SERVICES

   Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu
   Curricular Services ~ 07/14
Course Description:
This course provides a thorough orientation to subsea engineering fundamentals, covering the full suite of SURF (Subsea, Umbilicals/Controls, Risers, Flowlines) equipment and configurations. The course is targeted toward students that desire to further their subsea engineering education or are interested in broadening their skills into the multidisciplinary subsea engineering field. The course is intended to provide exposure to practical, industry focused problems, and will be taught by industry experienced experts. Topics covered will include subsea equipment components, design considerations and design drivers, subsea production operations, and integrity critical maintenance activities.

The undergraduate level course will be a series of lectures and grades will be based on exams and homework materials. The graduate level course will be a series of lectures and grades will be based on exams, homework materials, and on their solutions to weekly practical, industry-focused problems. Moreover, undergraduate students will complete lengthy assignments in teams whereas graduate students will complete these assignments individually.

Prerequisites:
A high level of familiarity and competence in the following areas is strongly recommended: 1) materials, 2) Fluid mechanics, 3) Heat transfer, 4) Structures, 5) Electrical circuits/controls.

Overall Course Learning Outcomes
Upon completion of this course, students will be able to:
1. Describe functional requirements of common SURF (Subsea, Umbilicals, Risers, Flowlines) hardware components and configurations.
2. Describe design considerations, troubleshoot subsea control system components.
3. Demonstrate a basic understanding of the types of reservoirs, and how reservoir modelling uncertainties impact subsea field architecture.
4. Demonstrate understanding of design drivers for subsea equipment, subsea systems, and interfaces using actual subsea field design data.
5. Demonstrate familiarity with the scope of the various API SC 17 Recommended Practices.
6. Apply design philosophies to new subsea configurations, evaluate options and summarize design considerations for recommended configuration.
7. Demonstrate familiarity with typical subsea materials, corrosion management, seals, and requirements per industry standards.
8. Exercise and demonstrate sound and practical engineering judgments involving complex design tradeoffs presented in reality-based scenarios, also demonstrate communication skills.
9. Describe and evaluate typical subsea production operations, maintenance activities, and integrity-critical testing and surveillance.
Getting Started
To get started within this course, you will need to:

- Review the syllabus in its entirety
- Login to the course website, eCampus (see directions below), to:
  - ensure that you have access and the correct plug-ins installed (ie. Blackboard Collaborate Plug-In),
  - update your user profile,
  - spend some time becoming familiar with the course layout, and
  - complete the introductory forum.

Note: Additional details to complete these activities can be found within the eCampus.

Resource Materials & Course Technology
Required Textbook and Resource Materials:
The required materials for ENGR 689 can be accessed on the TAMU Course Reserves via eCampus. You will be able to access the readings and save the documents associated with the course from the TAMU Course Reserves.

- Dataset from an existing subsea producing field.
- Additional lecture materials and readings will be provided within the course modules on eCampus.

eCampus:
This course will use the TAMU eCampus, powered by Blackboard Learn, as the virtual classroom. Within eCampus, you can find all course related content and assessments (including but not limited to course materials, content, videos, activities, assessments, etc.). The recommended browsers for eCampus access are Mozilla Firefox or Google Chrome (Internet Explorer is not recommended). For additional information on support browsers for eCampus, please visit http://tx.ag/eCampusBrowserSupport. To login to eCampus:

- Go to http://ecampus.tamu.edu
- Click the Login button
- Use your TAMU NetID and password to login

Once logged into eCampus, you will see a list of all courses for which you are enrolled in for the semester. To navigate to this course, click on the name of the course. If you have any problems logging into the course, please see the technology support section below.

To navigate the course with eCampus, use the menu on the left side of the browser window. The syllabus and course introductory materials can be found within the “Getting Started & Syllabus” section of the course menu. The weekly modules will be available live and recorded within the “Module Materials” section of the course website. All assessments (ie. assignments and discussions) to be completed as part of the course can be found with the course menu on the left. Each assessment contains a description of the content that you should have learned prior to completing the assessment. Grades for the course can be access by clicking on “My Grades”. The link to the weekly Tuesday 7-8pm sessions, can be found in “Module Materials” folder. If you have any questions about navigating eCampus, please contact the instructor.

Technology Requirements & Recommendations:
Technology Requirements:

- Reliable and frequent access to a computer and to the high-speed Internet. If you do not have frequent and reliable access to a computer with Internet connection, please contact the instructor to discuss your situation and determine an appropriate solution.
- To attend virtual office hours, students will need to make sure they have setup Blackboard Collaborate to run on their computer(s) and mobile devices. Please visit http://blackboard.force.com/publicArticleview?id=kA770000000CblW to check your system requirements and test your connection.
  - It is required to have a microphone and webcam when using Bb Collaborate. While many students use a built-in webcam, it is recommended to have a headset with a microphone, such as a smart phone headset, for the virtual office hours and group collaboration.
Course Support
In addition to contacting the instructor or graduate assistant for course content related questions, there are a variety of campus resources for course support.

Technology Support:
For technological issues related to eCampus and software, contact the TAMU HelpDesk:

- Student eCampus Help Website, http://ecampus.tamu.edu/student-help.php
- TAMU IT Help Desk:
  - Website: http://hdc.tamu.edu/index.php (Online Chat is available)
  - Phone: (979) 845-8300
  - Email: helpdesk@tamu.edu

The TAMU Help Desk is open 24 hours a day 7 days a week. If your technical problems are unable to be resolved within 48 hours, please contact the instructor for additional assistance.

*Technology issues are not an excuse for missing a course requirement – make sure your computer is configured correctly and address issues well in advance of deadlines.*

Course Assignments
This course is designed to provide an interactive and collaborative environment that fosters the development of engineering. Participation in all activities is considered essential to this development. All specific instructions for each assessment are provided in eCampus.

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<td>Final Project</td>
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Determination of Final Grades within the Course

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<tr>
<td>F</td>
<td>Less than 60.00%</td>
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## Course Outline

### Module 1: Introduction and Overview

#### Module 1.1: Subsea Engineering Overview; Geology Overview; Reservoir Overview
- Watch: Introduction to Subsea Engineering Part 1, 2 and 3 Videos
- Watch: Geology Overview Video
- Participate: Synchronous Weekly Class Meeting
- Post: Introduce Yourselves Forum
- Solve: Scenario 1

#### Module 1.2: Subsea Well Construction Overview
- Watch: Drilling Basics Part 1 Video
- Interact: Basic Drilling Process / Prepared by Cameron & OneSubsea
- Watch: Drilling Basics Part 2 Video
- Interact: Well Heads / Prepared by Cameron & One Subsea
- Watch: Drilling Basics Part 3 & 4 Videos
- Participate: Synchronous Weekly Class Meeting
- Solve: Scenario 2

### Module 2: Subsea Field Architecture

- Read: Subsea Field Architecture
- Read: API 17A - Design and Operation of Subsea Production Systems
- Read: API 17TR13 - General Overview of Subsea Production Systems
- Supplemental: Subsea Engineering Handbook - Part I Subsea Production Systems, Chapters 1 & 2
- Interact: Introduction to Subsea Production Systems / Prepared by Cameron & One Subsea
- Watch: Subsea Field Development Planning Parts 1 - 4 Videos
- Participate: Synchronous Weekly Class Meeting
- Solve: Scenario 3

### Module 3: Deepwater Riser Design

- Read: OMAE2014-24240 from the Proceedings of the ASME 2014 33rd International Conference on...
- Read: Deepwater Riser Design, Fatigue Life and Standards Study Report; TA&R Project Number 572...
- Read: Drilling Riser Management In Deepwater Environments, Madhu Hariharan, Ricky Thethi, 2H...
- Supplemental: API 17A Annex A A.10, A.11
- Supplemental: SHE - Part IV Subsea Umbilicals, Risers, and Flow lines Chapters 25, 26
- Supplemental: OTC 23161 - Subsea Well Intervention Vessel and Systems
- Watch: Risers Part 1-5 Videos
- Watch: Subsea E&A Subsea Landing String Assembly Video
- Participate: Synchronous Weekly Class Meeting
- Solve: Scenario 4

### Module 4: Flow Assurance and Operability

- Read: Flow Assurance Considerations in Subsea Production Systems
- Read: World Oil Recommended Practices for Hydrate Control and Remediation, Steven Cochran
- Supplemental: Subsea Engineering Handbook – Part II Flow Assurance and Sys Eng, Chapters 12-18
- Watch: Flow Assurance Parts 1 - 9 Videos
- Participate: Synchronous Weekly Class Meeting
- Solve: Scenario 5
## Module 5: Deepwater Pipeline Design

**Watch:** Pipeline Design Parts 1 - 4 Videos  
**Read:** SEH – Part IV Subsea Umbilicals, Risers, and Flowlines Chapter 27 Subsea Pipelines  
**Read:** Red Hawk project drawings – included in eCampus  
**Supplemental:** S.K. Rich, A.G. Alleyne, System Design for Buried, High Temperature and Pressure Pipelines  
**Watch:** SAGE Profile 3D - Subsea Pipeline Analysis Software Video  
**Watch:** J Lay Virtual Tour Video  
**Supplemental:** Popular Videos - Ormen Lange  
**Watch:** Ultimate Engineering: Super Pipeline Construction of Ormen Lange Natural Gas Pipeline Video  
**Participate:** Synchronous Weekly Class Meeting  
**Solve:** Scenario 6

## Module 6: Subsea Equipment: Components and Design Considerations I

**Read:** API 17TR13 Sections 1 – 7, 14  
**Read:** RP 17A Annex A A.4  
**Read:** Subsea Solutions Oilfield Review Article, Winter 2000, Schlumberger  
**Supplemental:** SEH – Pt. I Subsea Prod Sys, Ch. 11 Subsea Equip RBI; Pt. III Subsea Struct and Equip, Ch. 19 - 23  
**Interact:** Subsea Trees 1 & 2 / Prepared by Cameron & OneSubsea  
**Participate:** Synchronous Weekly Class Meeting  
**Solve:** Scenario 7

## Module 7: Subsea Equipment: Components and Design Considerations II

**Read:** API 17TR13 Section 11  
**Supplemental:** SEH - Part I Subsea Production Systems, Chapter 11 Subsea Equipment RBI; Part III  
**Supplemental:** Subsea Structures and Equipment, Chapters 19 - 23  
**Interact:** Subsea Mainfolds / Prepared by Cameron & OneSubsea  
**Interact:** Connectors and Well/Flowline Tie-in Jumpers / Prepared by Cameron & One Subsea  
**Watch:** ROV Orientation Video  
**Participate:** Synchronous Weekly Class Meeting  
**Solve:** Scenario 8

## Assessment: Mid-term Exam

## Module 8: Subsea Materials

**Read:** API 17TR13 Section 11  
**Supplemental:** SEH - Part I Subsea Production Systems, Chapter 11 Subsea Equipment RBI; Part III  
**Supplemental:** Subsea Structures and Equipment, Chapters 19 - 23  
**Interact:** Subsea Mainfolds / Prepared by Cameron & OneSubsea  
**Interact:** Connectors and Well/Flowline Tie-in Jumpers / Prepared by Cameron & One Subsea  
**Watch:** Subsea Materials Parts 1 & 2 Video  
**Participate:** Synchronous Weekly Class Meeting  
**Solve:** Scenario 9

## Module 9: Subsea Controls, Umbilicals, Distribution System Part I

**Read:** API 17A A.8, A.9 & ISO 1219-1:2012  
**Supplemental:** API 17 E Umbilicals, API 17 F Controls & API 17 V Safety Systems  
**Watch:** Subsea Controls Parts 1, 2 and 3 Videos
| **Interact:** Introduction to Control Systems / Prepared by Cameron & OneSubsea |
| **Interact:** Subsea Control Equipment / Prepared by Cameron & OneSubsea |
| **Interact:** Subsea Control Modules / Prepared by Cameron & OneSubsea |
| Participate: Synchronous Weekly Class Meeting |
| Solve: Scenario 10 |

### Module 10: Subsea Controls, Umbilicals, Distribution System Part II

**Read:** API 17A A.8, A.9 & ISO 1219-1:2012  
**Supplemental:** API 17 E Umbilicals, API 17 F Controls, API 17 V Safety Systems  
**SHE - Pt. I Subsea Prod Systems, Ch. 3,7,8; Pt. IV Umbilicals, Risers, and Flowlines, Ch. 24 Subsea Umbilical Systems**

**Interact:** Subsea Distribution Assemblies / Prepared by Cameron & OneSubsea  
**Interact:** Hydraulic Flying Leads / Prepared by Cameron & OneSubsea  
**Interact:** Stab Plates / Prepared by Cameron & OneSubsea  
**Interact:** Topside Umbilical Termination Assembly / Prepared by Cameron & One Subsea  
**Watch:** Subsea Controls Parts 1, 2 and 3 Videos  
**Participate:** Synchronous Weekly Class Meeting  
**Solve:** Scenario 11

### Module 11: Subsea Operations

**Read:** SEH – Pt. I Subsea Production Systems, Chapters 5, 9, 10  
**Watch:** Subsea Control System Operations Modules (Lucas)  
**Watch:** Subsea Modes of Operation  
**Watch:** Subsea Maintenance Operations  
**Watch:** Subsea operations – Third Party Devices  
**Watch:** Subsea Control System Diagnostics  
**Watch:** Subsea Production Surveillance  
**Interact:** Master Control / Prepared by Cameron & OneSubsea  
**Interact:** Hydraulic Power Unit / Prepared by Cameron & OneSubsea  
**Supplemental Interaction:** Electrical Power Unit / Prepared by Cameron & One Subsea  
**Participate:** Synchronous Weekly Class Meeting  
**Solve:** Scenario 12  
**Answer:** Quiz 2

### Module 12: Overview of the Class Project and Final Exam

**Participate:** Project Overview and Final Exam Review

### Module 13: Class Project and Final Exam

**Read:** Final Project Instructions and Supporting Files  
**Submit:** Final Project

**Assessment:** Final Exam
Course Policies

Attendance Policy:
The University views class attendance as the responsibility of an individual student. Attendance is essential to complete the course successfully. University rules related to excused or unexcused absences are located online on the TAMU website. All students are required to attend the Tuesday Blackboard Collaborate sessions from 7-8pm online. [http://student-rules.tamu.edu/rule07](http://student-rules.tamu.edu/rule07)

Late Work Policy:
LATE WORK is not accepted unless student has university approved excuse. This course relies on discussion, interaction, and group work among class members. Therefore, it is essential that work be completed on schedule. At the beginning of every module, you should spend time planning. Read the learning modules in eCampus very carefully. Please do not wait until the last day to do the work. Punctuality is especially important when assignments impact your classmates. If your schedule impacts others, notify them and me and make alternative arrangements.

Obviously unforeseen events arise and may prevent you from accomplishing a task on time. This may result in the deduction of a point or two from your grade, but if this is a rare occurrence and your work for this class it otherwise excellent, it should make no difference in your final grade for the course. It is only when work is frequently late and/or quality of the work is consistently below standard that your final grade will suffer. In those rare circumstances where an emergency takes you away from the course for an extended period of time, contact your instructor right away to make arrangements. [http://student-rules.tamu.edu/rule07](http://student-rules.tamu.edu/rule07)

Grades of “INCOMPLETE” will be given only for certifiable medical reasons or in other extraordinary circumstances arranged in advance. If you are planning to be away from your usual location (travel, vacation, etc.) during this course, consider dropping the course or discuss your situation with me and we can see if you will be disadvantaged by your mobility or impacting others’ work.

Course Copyright Statement:
The materials used within this course are copyrighted. These materials include, but are not limited to, the syllabi, quizzes, exams, lab problems, online handouts, course videos, etc. Because these materials are copyrights, you do not have the right to copy or distribute these materials, unless permission is expressly granted.

Incomplete Grade:
Grades of “INCOMPLETE” will be given only for certifiable medical reasons or in other extraordinary circumstances arranged in advance. If you are planning to be away from your usual location (travel, vacation, etc.) during this course, consider dropping the course or discuss your situation with me and we can see if you will be disadvantaged by your mobility or impacting others’ work.

Communication Expectations:
The best way to contact the instructor and graduate assistant for this course is via email (see contact information at the top of the syllabus). Students should expect a response from the instructor or graduate assistant no later than 48 hours after an email is sent or voicemail is left.

Course assignments, projects, and other assessments will be graded no later than 7 days after the due dates posted within the syllabus and eCampus calendar. If dates need to be adjusted based on unforeseen circumstances, an announcement will be sent from eCampus.

Netiquette Expectations:
Netiquette is network etiquette. Netiquette covers both common courtesy online and the informal when communication with other online. TAMU Instructional Technology Services provides some general netiquette rules that students and faculty are expected to follow within this course. For more information on netiquette, please visit [http://its.tamu.edu/Distance_Education/Netiquette_Aggie_Honor_Code.php](http://its.tamu.edu/Distance_Education/Netiquette_Aggie_Honor_Code.php)
Institutional Policies

Americans with Disabilities Act (ADA) Policy Statement:
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, Student Services @White Creek, or call 845-1637. For additional information visit http://disability.tamu.edu.

This course uses Blackboard Learn as its online platform. To know more about its accessibility standards please to their website. http://www.blackboard.com/Platforms/Learn/Resources/Accessibility.aspx

If you find that course content or software are not accessible, please contact your course instructor or disability services so that appropriate accommodations to the learning environment can be made.

Academic Integrity Statement and Policy:
For many years Aggies have followed a Code of Honor, which is stated in this very simple verse:

“The Aggie does not lie, cheat or steal, or tolerate those who do.”

The Aggie Code of Honor is an effort to unify the aims of all Texas A&M men and women toward a high code of ethics and personal dignity. For most, living under this code will be no problem, as it asks nothing of a person that is beyond reason. It only calls for honesty and integrity, characteristics that Aggies have always exemplified. The Aggie Code of Honor functions as a symbol to all Aggies, promoting understanding and loyalty to truth and confidence in each other.

For more information, please visit, http://student-rules.tamu.edu/aggiecode and http://aggiehonor.tamu.edu

Statement of Plagiarism:
All materials generated for this class (which may include but are not limited to syllabi and in-class materials) are copyrighted. You do not have the right to copy such materials unless the instructor expressly grants permission. As commonly defined, plagiarism consists of passing off as one’s own the ideas, words, writing, etc. which belong to another. In accordance with this definition, you are committing plagiarism if you copy the work of another person and turn it in as your own, even if you should have permission of that person. Plagiarism is one of the worst academic violations, for the plagiarist destroys trust among others. If you have any questions regarding plagiarism, please consult the latest issue of the Texas A&M University Student Rules, under the section “Scholastic Dishonesty.”

Export Control Statement:
United States export control laws regulate the release of goods and technologies that affect U.S. national security or foreign policy interests. Distance education students and course content MUST comply with these U.S. export control laws. If TAMU indicates that you are attempting to access course content from an IP address associated with a country currently subject to economic and trade sanction, your TAMU NetID account will be terminated and you will be contacted by the TAMU Export Control Office and the Office of Identity Management. For additional visit, https://vpr.tamu.edu/resources/export-controls/resources.
Texas A&M University
Departmental Request for a New Course
Undergraduate ♦ Graduate ♦ Professional
Submit original form and attach a course syllabus.

Form Instructions
1. Course request type:  ☑ Undergraduate  ☐ Graduate  ☐ First Professional (DDE, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name):  Department of Entomology
3. Course prefix, number and complete title of course:  ENTO 209 Veterinary Entomology Laboratory
4. Catalog course description (not to exceed 50 words):
   Insects and their relatives causation of economic loss, impacts to well-being and transmission of disease pathogens to domestic and companion animals, and wildlife, as well as health and well-being of humans through occupational or recreational exposure; laboratory emphasizes identification of major arthropod pests, use of microscopy and dissection equipment.

5. Prerequisite(s):  Concurrent registration with ENTO 208
   Cross-listed with:  
   Stacked with:  
   Cross-listed courses require the signature of both department heads.

6. Is this a variable credit course?  ☐ Yes  ☑ No  If yes, from ________ to ________
7. Is this a repeatable course?  ☐ Yes  ☑ No  If yes, this course may be taken ________ times.
   Will this course be repeated within the same semester?  ☐ Yes  ☑ No
8. Will this course be submitted to the Core Curriculum Council?  ☐ Yes  ☑ No
9. How will this course be graded?  ☑ Grade  ☐ S/U  ☐ P/F (CLMD)
10. This course will be:
    a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)
    b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

B.S. Entomology,

11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

12. ☐ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

13. Prefix  Course #  Title (excluding punctuation)
    ENTO  209  Veterinary Entomology Laboratory

    | Lect. | Lab | Other | SCH | CIP and Fund Code | Admin. Unit | Acad. Year | FICE Code |
    |-------|-----|-------|-----|------------------|-------------|------------|-----------|
    | 0.00  | 2.00| 1.00  | 260702| 1050             | 16          | 17         | 0 0 3 6 3 2 |

Approval recommended by:

David Ragsdale  Department Head or Program Chair (Type Name & Sign)  Date

Robert Knight  Chair, College Review Committee  Date

Kim Dooley  Dean of College  Date

Tim Scott  Chair, GC or UCC  Date

Submitted to Coordinating Board by:

Associate Director, Curricular Services

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu
Curricular Services – 07/14

RECEIVED  NOV 11 2015
CURRICULAR SERVICES
Course title and number  ENTO 209 Veterinary Entomology Laboratory

Meeting times and location  Two-hour class periods as assigned, Heep Center, Room 108

Course Description and Prerequisites

Prerequisite(s): Co-Enrollment in ENTO 208 Veterinary Entomology

ENTO 208, Lab (1 credit hour) Insects and their relatives causation of economic loss, impacts to well-being and transmission of disease pathogens to domestic and companion animals, and wildlife, as well as health and well-being of humans through occupational or recreational exposure. Laboratory emphasizes identification of major arthropod pests, use of microscopy and dissection equipment.

Student Learning Outcomes

At the end of this course, you should be able to:
(1) Define and correctly use anatomical terminology in regards to entomological organisms of veterinary importance,
(2) Identify and correctly use basic laboratory equipment including dissection microscopes, compound microscopes, and dissection tools,
(3) Recognize major anatomical features of insect pests, and compare and contrast anatomical features among pests with differing life histories,
(4) Identify the major arthropod pests of livestock, poultry, companion animals, and wildlife,
(5) Apply written dichotomous keys and other published information to identify unknown insects to order, family, genus and species, and
(6) Evaluate the importance of major arthropod pests and associated diseases

Instructor Information

Name  Dr. Adrienne Brundage
Telephone number  979-845-9731
Email address  adrienne.brundage@agenet.tamu.edu
Office hours  M 10:00 AM – 12:00 PM, R 9:00 AM – 12:00 PM; By appointment
Office location  Heep Center, 404A

Textbook and Resource Material

ENTO 209 Veterinary Entomology Laboratory Course Packet. 2015. 77 pp. (Available at Copy Corner)

Additional Reading

Occasionally I will assign additional reading material and resources for use in the laboratory. These will be available under the “Additional Reading” link on eCampus.

eCampus

This course has a companion website hosted through eCampus. It is important for you to access
eCampus on a regular basis because it will be the place where you will:
- See the class assignment calendar to keep up with your assignments
- Download additional course materials, like handouts, power points, and notes
- Check your grades using the online grade book
- Check the FAQs, ask questions, or email your instructor

If you cannot access eCampus, please contact your instructor or TA this week to get this resolved.

Laboratory Safety

Necessary materials for completion of labs are available within the required lab course packet. Proper laboratory attire must be worn to each lab session, and proper laboratory etiquette must be followed as outlined by lab instructors. Failure to do so will result in dismissal from lab and an unexcused absence.

The Department of Entomology is committed to the safety of all students and employees participating in teaching laboratories. To ensure that a safe environment is maintained in our teaching laboratories, it is expected that all students will adhere to general safety guidelines and emergency procedures, as well as course-specific and activity-specific safety instructions provided by faculty and teaching assistants. The only chemical solvent used in the laboratory is 80% ethanol for specimen preservation. Laboratory safety and emergency procedures will be reviewed during the first class period.

Attendance

Policies set forth in student rule 7 for attendance and make-up will be followed (http://student-rules.tamu.edu/rule07). You are expected to attend your assigned lab section and complete all assignments.

Grading Policies

Grades may be earned through practical examinations. Laboratory examinations will consist of the identification of specimens (lice, fleas, flies, ticks, and mites) and anatomical features of these specimens using taxonomic keys made available to you in the laboratory, and the biological context of arthropod development and host interactions. Practical exams will be administered during assigned lab time, and be over the lectures and assigned readings covered since the last exam. You have 90 minutes to complete the questions on each practical.

<table>
<thead>
<tr>
<th>Laboratory Examination</th>
<th>Points</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>100</td>
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<tr>
<td>2</td>
<td>100</td>
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<tr>
<td>3</td>
<td>100</td>
</tr>
<tr>
<td>4</td>
<td>100</td>
</tr>
<tr>
<td><strong>Total Points</strong></td>
<td><strong>400</strong></td>
</tr>
</tbody>
</table>

A = 90 - 100%, B = 80 - 89%, C = 70 - 79%, D = 60 - 69%, F = Below 60%

Grades are not negotiable. You earn your final course grade based on your work in the course. If you are concerned about a grade, please see your instructors during office hours.

MAKE UP EXAMS: If you miss a lab exam, you must make arrangements with your TA within one week of the missed exam. Due to the nature of the lab exam set up, make up lab exams are only available on Fridays, and only at the discretion of the lab TA. If you know you will miss a lab exam in advance, you must work out an alternative with your TA in advance.
<table>
<thead>
<tr>
<th>Date</th>
<th>Laboratory</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan 19-22</td>
<td>Introductions, Course Overview, Laboratory Safety, Use of equipment</td>
</tr>
<tr>
<td>26-29</td>
<td>Lab 1. Classes of Arthropods</td>
</tr>
<tr>
<td>Feb 2-5</td>
<td>Lab 2. External and Internal Anatomy</td>
</tr>
<tr>
<td>9-12</td>
<td>Lab 3. Insect Orders</td>
</tr>
<tr>
<td>16-19</td>
<td><strong>Lab Practical Exam 1: Insect orders and Anatomy</strong></td>
</tr>
<tr>
<td>23-26</td>
<td>Lab 4. Lice and Fleas</td>
</tr>
<tr>
<td>Mar 2-5</td>
<td><strong>Lab Practical Exam 2: Lice and Fleas</strong></td>
</tr>
<tr>
<td>9-12</td>
<td>Lab 5. Flies</td>
</tr>
<tr>
<td>16-20</td>
<td>Spring Break</td>
</tr>
<tr>
<td>23-26</td>
<td>Lab 6. Mosquitoes</td>
</tr>
<tr>
<td>Mar 30-31</td>
<td>Flies and Mosquitoes Review</td>
</tr>
<tr>
<td>Apr 1-2</td>
<td><strong>Lab Practical Exam 3: Flies and Mosquitoes</strong></td>
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<tr>
<td>6-9</td>
<td></td>
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<tr>
<td>13-16</td>
<td>Lab 7. Ticks, Mites, and Pathogens</td>
</tr>
<tr>
<td>20-23</td>
<td>Ticks, Mites, and Pathogens review</td>
</tr>
<tr>
<td>27-30</td>
<td><strong>Lab Practical Exam 4: Ticks, Mites, and Pathogens</strong></td>
</tr>
</tbody>
</table>
Americans with Disabilities Act (ADA)

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information, visit http://disability.tamu.edu.

Disability Services has moved office locations to Student Services at White Creek. For additional details, please visit the Student Services @ White Creek website http://sswc.tamu.edu.

If you are already registered with Disability Services, please see me with your information. We can easily accommodate for quizzes and exams, but we need to set everything up before the first quiz, and at least two weeks before the first exam. If you need accommodations for the lab and lab exams, please see your TA.

Academic Integrity

For additional information please visit: http://aggiehonor.tamu.edu

"An Aggie does not lie, cheat, or steal, or tolerate those who do."

The Texas A&M University Honor Code, based on the long-standing affirmation that "An Aggie does not lie, cheat, or steal or tolerate those who do" is fundamental to the value of the A&M learning experience and requires that Aggies will not involve themselves in any form of academic dishonesty. According to the Office of the Aggie Honor System, academic dishonesty consists of cheating, fabrication, falsification, multiple submission, plagiarism, and multiplicity. Clarification of each of actions may be found at the Aggie Honor System website at http://www.tamu.edu/aggiehonor. This list, however, is not exclusive of any other acts that may reasonably be termed academic dishonesty. The penalty for a violation of academic dishonesty in this class shall be an "F" in the course and filing of an Honor Code Violation Report with the Office of the Aggie Honor System. Less severe penalties may be imposed if the circumstances warrant.
Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
• Submit original form and attach a course syllabus.

Form Instructions
1. Course request type: ☑️ Undergraduate ☐ Graduate ☐ First Professional (DDS, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name): INTERNATIONAL STUDIES
3. Course prefix, number and complete title of course: FILM 465 CHINESE FILM

4. Catalog course description (not to exceed 50 words):
   Consideration and analysis of major works and directors of Chinese Film; interpretation of culture through film; relationship of film to history, literature, and other arts; taught in English. May be repeated for credit.

5. Prerequisite(s): Junior or senior classification; or approval of instructor.

6. Is this a variable credit course? ☑️ Yes ☐ No If yes, from __________ to __________
7. Is this a repeatable course? ☑️ Yes ☐ No If yes, this course may be taken __________ times.

   Will this course be repeated within the same semester? ☐ Yes ☑️ No
8. Will this course be submitted to the Core Curriculum Council? ☐ Yes ☑️ No

9. How will this course be graded: ☑️ Grade ☐ S/U ☑️ P/F (CLMD)
10. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)
   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

   B.A. in International Studies; Minor in Chinese; Minor in Film Studies; Minor in Asian Studies; undergrad general academics

11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.
12. ☑️ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

13. Prefix Course # Title (excluding punctuation)

   FILM 465 CHINESE FILM

   Lect. Lab Other SCH CIP and Fund Code Admin. Unit Acad. Year FICE Code
   3.00 0.00 0.00 3.00 0501040001 1663 16 - 17 0 0 3 6 3 2

   Approval recommended by:

   Steven M. Oberhelman
   Department Head or Program Chair (Name & Sign) Date 11/13/15

   Robert R. Shandley
   Department Head or Program Chair (Name & Sign) Date 11/13/15

   Chair, College Review Committee Date 11/18/15

   Dean of College Date 11/18/15

   Submitted to Coordinating Board by:

   Associate Director, Curricular Services

   Chair, GC or UCC Date

   Effective Date: Nov 20, 2015

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu
Curricular Services – 07/14
Course description

Consideration and analysis of major works and directors of Chinese Film; interpretation of culture through film; relationship of film to history, literature, and other arts; taught in English. May be repeated for credit.

This course is a critical examination of select Chinese films produced as early as 1922 and as late as 2013. We will consider both the aesthetics of Chinese film art and the socio-historical context embedded in the film. Films studied in the course are mostly comprised of Chinese mainland productions. One question central to the course is how Chinese cinema reflects and at the same time impacts the Chinese way of pursuing modernity and national and individual identities in different historical periods in the past century. The course is mostly arranged in chronological order; each week’s readings, discussions and screenings are thematically related. Major themes include: gender and class, socialist aesthetics, trauma and Chinese national identity, globalization and commercialism, independent films as unofficial history, etc.

Critical pieces are in English and films will have English subtitles or printed scripts, thus knowledge of Chinese is a plus but not required.

Prerequisites

Junior or senior classification, or approval of instructor.

Learning outcomes

Upon successful completion of the course students will be able to:

- Identify major directors and film movements in Chinese cinema;
- Interpret and analyze thematic and formal aspects of visual communication in film form; and
- Formulate the relationship between Chinese cinema and the socio-political context of its production.

Required course materials


All other course readings will be available through eCampus.
All films will be available for digital streaming through: mediamatrix.tamu.edu.

Course requirements and evaluation

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Class participation</td>
<td>10%</td>
</tr>
<tr>
<td>2 Response papers</td>
<td>30%</td>
</tr>
<tr>
<td>Presentation</td>
<td>10%</td>
</tr>
<tr>
<td>Final paper</td>
<td>20%</td>
</tr>
<tr>
<td>Midterm exam</td>
<td>15%</td>
</tr>
<tr>
<td>Final exam</td>
<td>15%</td>
</tr>
</tbody>
</table>

Grading scale: 90-100 = A; 80-89 = B; 70-79 = C; 60-69 = D; 0-59 = F

Participation: Moderated participation in discussions helps you to focus on important questions, encourages you to grapple with key issues, and enhances intellectual exchange among peers. You are expected to come to each class having watched the required films, read the required textbook chapters and/or articles, and prepared to discuss them in detail. I prefer you NOT use your laptops in class. But if you need to, please be advised that your laptop ONLY be used for the purposes of presentation, reading required materials, and/or taking notes.
Response papers: Each response is a double-spaced, 2-3 page paper, in which students make an argument about one film and provide evidence to support their argument. The two response papers should address different films. Mere factual information, character profile, or plot summary WILL NOT suffice. If you have difficulty coming up with your own argument, simply identify an argument from one of the required readings (with direct quotations and page numbers) and discuss it in relation to the film. Grade will be based on presentation of argument (clarity and depth), detailed film analysis, and writing (coherence, transitions, grammar, style). Papers submitted more than two days late will not be graded, except in the case of university-approved excused absence.

Presentation: At the end of the second week, all students will sign up for presentations on films and readings scheduled during Weeks 3-14. Each individual presenter has 10 minutes including Q&A. You are expected to identify arguments of the reading and major evidences that support the argument. Presentation grade will be based on focus, coherence, clarity, timing, and effectiveness of your delivery.

Final paper: The final paper is on a topic of choice on Chinese films, preferably related to topics and readings on the syllabus. The final paper should analyze at least two films that are NOT discussed in response papers. The paper should be 5-8 pages (not including works cited pages), typed, and double-spaced. The paper will be graded on quality of argument, details of film analysis, incorporation of readings, and writing (style, clarity, structure, and grammar). Late papers will not be graded, except in the case of university-approved excused absence.

Midterm and Final exams: The exams are to provide an opportunity for you to apply your analytical skills and synthesize your knowledge accumulated during the course. Each exam consists of identification questions and essay questions. Exams cannot be made up except in the case of a university-approved excused absence.

Absences
Attendance in class is mandatory. For each unexcused absence, student’s final course grade will be reduced 5 full percentage points. University rules related to excused and unexcused absences are located on-line at http://student-rules.tamu.edu/rule07.

Academic integrity
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***

Weekly Schedule

Section I: Chinese Films in the Republican Era (1912-1949)

Week 1
T. Course introduction + syllabus
   Reading: Zhang, Chinese National Cinema, 13-57
R. Films in the 1920s: From Chinese traditional opera to early Chinese cinema
   Reading: Zhen Zhang on Laborer’s Love, 27-50
   Film: Laborer’s Love (Zhang Shichuan, 1922), 22 m, screening in class
Week 2
T. **National crisis and left-wing cinema in the 1930s**
   Reading: Zhang, *Chinese National Cinema*, 58-83; Pang on the left-wing cinema movement, 37-69
R. *Sign-up for presentations*
   Reading: Berry on *Big Road*
   Film: *Big Road* (Sun Yu, 1934), streaming

Week 3
T. **“New Women” on and off the leftist film screen**
   Reading: Harris, “Fallen Woman of Shanghai,” in Berry, *Chinese Films*, 128-136
   Film: *The Goddess* (Wu Yonggang, 1934), streaming
R. Reading: Harris on *New Woman*, 277-302
   Film: *New Woman* (Cai Chusheng, 1935)
   Film available at: https://www.youtube.com/watch?v=fXupmp3sKKM
   Film script: http://u.osu.edu/mclc/online-series/new-woman/

Week 4
T. **Disintegration of family in postwar cinema in the 1940s**
   Reading: Zhang, *Chinese National Cinema*, 83-112; Pickowicz on postwar films, 121-156
   Film clips in class: *A Spring River Flows to the East* (Cai Chusheng, 1947); *Far Away Love* (Chen Liting, 1947)
R. Reading: Fitzgerald on *Spring in a Small Town*, in Berry, 205-211
   Film: *Spring in a Small Town* (Fei Mu, 1948), streaming
   Film Script: http://u.osu.edu/mclc/online-series/spring/

Section II: Chinese Films in the Socialist Era (1949-1978)

Week 5
T. **Socialist cultural scenes in the first 17 years**
   *First response paper due*
   Reading: Zhang, *Chinese National Cinema*, 189-224; Pickowicz on socialist cultural scene
   Film clips in class: *My Day Off* (Lu Ren, 1959); *Lin Zexu* (Zhen Junli, 1959)
R. Reading: Yau on politics of class in *White-Haired Girl*, 138-171
   Film: *White-Haired Girl* (Wang Bin and Shui Hua, 1950), streaming
   Film script: http://u.osu.edu/mclc/online-series/white/

Week 6
T. **Reorientation of gender in socialist China**
   Reading: Cui on socialist cinema, 52-64
R. Harry Kuoshu on *The White-Haired Girl* and *Li Shuangshuang*, 71-94
   Film: *Li Shuangshuang* (Li Zhun, 1962), streaming

Week 7
T. Mid-term review
R. Mid-term exam

Week 8
T. **Towards a socialist aesthetics of Chinese characteristics**
   Reading: Chi on *Red Detachment of Women*, in Berry, 189-196; Cui on *Red Detachment of Women*, 79-95
   Film: *Red Detachment of Women* (Xie Jin, 1961), streaming
Th. Reading: Cui on socialist cinema, 64-74
   Film clips in class: *Yang Banxi: 8 Model Works*
   Film available at: https://vimeo.com/114648184

Spring Break March 14-18
Section III: Chinese Films in the Post Socialist Era (1978-)

Week 9
T. Cultural critique from Xie Jin to the Fifth Generation
   Reading: Zhang, *Chinese National Cinema*, 226-240 and 285-289; Clark on the Fifth Generation, 121-136
R. Reading: Callahan, “Gender, ideology, nation”
   Film: *Ju Dou* (Zhang Yimou, 1991), streaming

Week 10
T. Trauma, memory and identity in the Fifth Generation films
   *Second response paper due*
   Reading: Xudong Zhang on *The Blue Kite*, 623-638
   Film: *The Blue Kite* (Tian Zhuangzhuang, 1993), streaming
R. Reading: Rey Chow on *To Live*, 1039-1064
   Film: *To Live* (Zhang Yimou, 1994), streaming

Week 11
T. Gender politics in the Fifth Generation films
   Reading: Braester on *Farewell My Concubine*, in Berry, 106-113; Lau on *Farewell My Concubine*, 16-27
   Film: *Farewell My Concubine* (Chen Kaige, 1993), streaming
R. Reading: Cui on *Ju Dou*, 127-148

Week 12
T. Commercialism and Feng Xiaogang phenomenon
   Reading: Macgrath on Feng Xiaogang’s films, 90-132
   Film clips in class: *Party A, Party B* (1997); *Be There or Be Square* (1998)
R. Reading: Yingjin Zhang on Big Shot’s Funeral, in Berry, 17-24
   Film: *Big Shot’s Funeral* (Feng Xiaogang, 2001), streaming

Week 13
T. The Sixth Generation: from underground to independent
   Reading: Pickowicz on independent filmmaking
R. Independent films as unofficial history and social protest
   Reading: Noble, “Blind Shaft,” in Berry, 17-26
   Film: *Blind Shaft* (Li Yang, 2004), streaming

Week 14
T. Chinese and Hollywood elements in Jia Zhangke’s films
   Reading: Xiao on *A Touch of Sin*, 24-35
   Film: *A Touch of Sin* (Jia Zhangke, 2013), streaming
R. *Final paper due*
   Final Review

Final exam: To be scheduled on day/time set by University Registrar.
Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
• Submit original form and attach a course syllabus.

Form Instructions

1. Course request type: ☐ Undergraduate ☑ Graduate ☐ First Professional (DDS, MD, JD, PharmD, DVM)

2. Request submitted by (Department or Program Name): Department of Geography
   GEOG 391 Geodatabases

3. Course prefix, number and complete title of course:

4. Catalog course description (not to exceed 50 words):
   GIS data modeling; introductory and advanced spatial SQL (structured query language); spatial database
   management system (DBMS) server setup, management, and maintenance; spatial DBMS design, implementation,
   tuning, performance analysis, and indexing; connecting spatial data services and warehouses to GIS software.

5. Prerequisite(s):

   Cross-listed with: None
   Stacked with: GEOG 659

   Cross-listed course requires the signature of both department heads.

6. Is this a variable credit course? ☐ Yes ☑ No
   If yes, from _____ to _____

7. Is this a repeatable course? ☐ Yes ☑ No
   If yes, this course may be taken _____ times.
   Will this course be repeated within the same semester? ☐ Yes ☑ No
   ☐ Yes ☑ No

8. Will this course be submitted to the Core Curriculum Council? ☐ Yes ☑ No

9. How will this course be graded? ☑ Grade ☐ S/U ☐ P/F (CLMD)

10. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)
      BS Geographic Information Science & Technology
   b. an elective for students enrolled in the following degree program(s) (e.g., M.S. Ph.D. in geography)

If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

☑ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-
controls/export-controls-basics-for-distance-education).

13. Prefix | Course # | Title (excluding punctuation)
        GEOG 391 | GIS Programming

        Lect. | Lab | Other | SCH | CIP and Fund Code | Admin. Unit | Acad. Year | Effective Date
        3.00  | 1.00|       | 3.00| 4507026064        | 1250        | 16 - 17    | 0 0 3 6 3 2

Approval recommended by:

Department Head or Program Chair (Type Name & Sign) Date

Chair, College Review Committee

Department Head or Program Chair (Type Name & Sign) Date

Dean of College

Submitted to Coordinating Board by:

Chair, GC or UCC Date

Associate Director, Curricular Services

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 07/14
Geodatabases

GEOG 391

Instructor
Dr. Daniel Goldberg
Office: O&M 707F
Tel: 979-845-7141
Email: daniel.goldberg@tamu.edu
Office Hours: By appointment

Teaching Assistants
TBD
Sections 500
Office: TBD
Email: TBD
Office Hours: TBD

Meeting Time and Locations

<table>
<thead>
<tr>
<th>Lecture</th>
<th>Labs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time: TBD</td>
<td>Section: TBD</td>
</tr>
<tr>
<td>Room: TBD</td>
<td>Room: TBD</td>
</tr>
</tbody>
</table>

Class web site
Updates to the lecture and lab syllabi as well as other course materials will be made available on the course website. It can be accessed on ELearning at http://ecampus.tamu.edu.

Course Description
This class is an introduction to spatial data models, spatial database design and management, and the use of spatial databases and models within Geographic Information Systems. This lab-oriented course covers basic data modeling, techniques and best practices for designing spatial databases, and the application in spatial databases in the GIS analysis and modeling. This course introduces students to database setup, management, and utilization in the development data-rich GIS applications and services.
Learning Outcomes

This course is designed to introduce students to the basics of data modeling within the context of industry-standard spatial database systems. Through hands-on experience, students will learn how to convert a real-world problem into components that can be represented within a spatial database. Students will learn to setup, administer, and utilize industry-standard database platforms such as Microsoft SQL Server in order to design, implement, operationalize, and deploy a Geographic Information System (GIS) data-driven solution to a real-world problem. This course will provide students with a solid foundation in design, population, and maintenance of spatial databases as well as a basic knowledge of how to utilize these data models in GIS applications.

The course will start with an introduction to fundamental data modeling techniques inside and outside a GIS including Entity-Relationship (ER) diagrams and the “Normal Forms” of well-designed databases. The course will next cover hands-on installation of industry-standard spatial database platforms such as SQL Server and the use of these systems within commercial GIS packages such as ArcGIS. Students will learn and employ introductory structure query language (SQL) to access and manipulate data from spatial databases as they obtain the skill necessary to integrate spatial data models and databases within GIS projects. The course will include a lecture component where theoretical issues are covered and lab-based exercises where students have the opportunity to practice setting up, managing, and implementing these techniques and technologies.

At the end of this class, each student will be able to:

1) Design well-formed simple database models, using appropriate design techniques, and be able to implement such designs using spatial relational database management systems (RDBMS);
2) Setup and administer industry-standard database servers;
3) Use SQL to establish, connect to, and interrogate spatial databases;
4) Use ArcGIS to create, connect to, populate, and utilize simple geodatabases;
5) Critically assess the limitations of conventional database structures as a means of storing spatial data;
6) Critically assess current advances in database design for geographical phenomena; and
7) Develop data models and accompanying spatial RDBMS implementations necessary for managing spatial data in real-world scenarios.

GIS Software

This course will utilize the ArcGIS™ suite of software developed by ESRI including ArcServer. Installable copies may be obtained from the instructor or teaching assistants.

Database Software

This course will utilize the Microsoft SQL Server™ suite of software. Installable copies may be downloaded from the Microsoft Dream Spark program available to TAMU students.
Development Software

This course will utilize the SQL programming language which can be developed with basic text editing software as well as within Microsoft SQL Server.

Lecture Texts

Lecture Texts


Additional readings and materials will be drawn from websites, handouts, and online resources.

Class Attendance

The university views class attendance as the responsibility of the individual student. Information on University attendance rules can be found at [http://student-rules.tamu.edu/rule07](http://student-rules.tamu.edu/rule07). As described below, a portion of each student’s grade is based on in-class participation. This will be judged by the instructor as regular attendance and active engagement on a consistent basis that contributes to the class in some manner.

**Lab attendance** is required and considered essential for successful completion of the course.

Makeups

Makeups for the Exam and other work will be allowed only for University excused absences and will be administered in compliance with university rules. Excused absences are covered in the Texas A&M University Student Rules ([http://student-rules.tamu.edu](http://student-rules.tamu.edu))

Cellular Telephones

As a courtesy to the instructor and other students please turn off all cellular telephones before the class begins.
Grading

Your grade in this class will be based as described below:

A. Lecture 30%
   - Midterm 1 10%
   - Midterm 2 10%
   - Final Exam 10%

B. Lab 35%
   - Exercises 35%

C. Homework 10%
   - Exercises 10%

D. Project 20%
   - Project Proposal 5%
   - Project Status Report 1 2.5%
   - Project Status Report 2 2.5%
   - Final Project 10%

E. Participation 5%
   - Class Participation 5%

The grading scale for this course is as follows:
   ≥90% A, 80-89% B, 70-79% C, 60-69% D, <60% F

Labs

Labs are an important and integral portion of the course. There is simply no way to learn about spatial database setup, programming, or maintenance without spending considerable time in lab working on with these data and services. The labs will typically require time outside of the scheduled lab hours to complete.

Labs will be due at the beginning of the following lab unless otherwise indicated. Scores for late labs will be deducted 10% per day until they are turned in, up to one week. After one week late, labs will not be accepted for credit. It is your responsibility for keeping up with lab assignments. You should talk to your Teaching Assistant and or the instructor BEFORE late labs become a problem.
Final Project

Throughout the semester, undergraduate students will work in teams of up to 4 to apply the spatial database concepts learned in lectures with the hands-on experience gained in labs to develop a data model and database implementation for a “real-world” problem using spatial databases.

Project Proposal

Each student group will submit a 1-page synopsis of the proposed topic and present a 5 minute description. This synopsis will include the problem the group will attempt to address including a set of requirements, the methods and data that will be used to accomplish their goals, and a development roadmap for implementing the project.

Project Status Reports

Each student group will present two short presentations during the semester that outline project progress. Students will be graded based on progress toward project completion.

Project Deliverables

Each student group will: a) design a data model sufficient for implementing a spatial database for their real-world problem; b) implement the data model within a spatial database system; c) populate the spatial data model and utilize it within ArcGIS or another GIS; c) deliver a report summarizing the problem they were trying to address, the tools, methods, and data used to accomplish their goals, and reflections on how well their implementation meets the requirements set forth; and d) demonstrate a hands-on working version of their prototype implementation to the class during a project presentation.

Grading

Each student will be graded on the quality of the team project. In addition, each student’s grade will be based in part on a score they receive from their teammates evaluating their contribution to the overall project. Students are advised to consult with the teaching assistant and/or professor in advance if issues of team member performance becomes an issue.

Email

All Texas A&M students should use their Texas A&M University email accounts when emailing the instructor and teaching assistants. I may also send out class announcements via the University email system as well. It is your responsibility to check your official TAMU email account regularly.
Student Support

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Department of Student Life, Services for Students with Disabilities in Room B118 of Cain Hall. The phone number is 845-1637.

Services for Students with Disabilities
Room B118 of Cain Hall, 845-1637 or on the web at http://disability.tamu.edu/

There are numerous other student support organizations on campus including

Student Counseling Service
Cain Hall, 845-4427, http://scs.tamu.edu
Student Counseling Helpline 5:00pm-8:00am: 845-2700

University Writing Center

Scholastic Dishonesty

It is our hope that academic dishonesty will not be a problem in this class. Texas A&M does, however, have a Scholastic Dishonesty policy to which both students and faculty must comply. If you have any questions about the University’s Scholastic Dishonesty policy please review the Student Rules or see me. The Aggie Honor program is the new program that will handle all cases of academic dishonesty. http://aggiehonor.tamu.edu.

As commonly defined, plagiarism consists of passing off as one’s own the ideas, words, writings, etc., which belong to another. In accordance with this definition, you are committing plagiarism if you copy the work of another person and turn it in as your own, even if you should have the permission of that person. Plagiarism is one of the worst academic sins, for the plagiarist destroys the trust among colleagues without which research cannot be safely communicated.

If you have any questions regarding plagiarism, please consult the latest issue of the Texas A&M University Student Rules, http://student-rules.tamu.edu, under the section “Scholastic Dishonesty.”

An Aggie does not lie, cheat, or steal, or tolerate those who do.

A tentative course schedule follows on the next page.
## Course Schedule

<table>
<thead>
<tr>
<th>Week</th>
<th>Lecture Topics</th>
<th>Exams</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Introduction to the Class &amp; Spatial Databases</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Data Modeling</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Data Modeling &amp; Geodatabases</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>ER Diagrams</td>
<td>PROPOSAL PITCHES</td>
</tr>
<tr>
<td>5</td>
<td>Database Normal Forms</td>
<td>PROPOSAL PRESENTATIONS</td>
</tr>
<tr>
<td>6</td>
<td>Structured Query Language (SQL)</td>
<td>MIDTERM 1</td>
</tr>
<tr>
<td>7</td>
<td>Database Servers</td>
<td>PROPOSAL STATUS REPORT I</td>
</tr>
<tr>
<td>8</td>
<td>Indexing &amp; Performance</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Enterprise Spatial Databases</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Service Oriented Architectures</td>
<td>MIDTERM 2</td>
</tr>
<tr>
<td>11</td>
<td>Publishing &amp; Consuming Spatial Data</td>
<td>PROPOSAL STATUS REPORT II</td>
</tr>
<tr>
<td>12</td>
<td>Standards and Metadata Versioning &amp; Maintenance</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Legal Issues, Trends, and the Future of Spatial Databases</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Class Wrap-up /Review</td>
<td>PROJECT PRESENTATIONS &amp; REPORT</td>
</tr>
<tr>
<td>TBD</td>
<td></td>
<td>FINAL EXAM</td>
</tr>
</tbody>
</table>

I reserve the right to make changes to the course schedule

## Copyright Policy

All materials used in this class are copyrighted. These materials include but are not limited to syllabi, quizzes, exams, lab problems, in-class materials, review sheets, and additional problem sets. Because these materials are copyrighted, you do not have the right to copy the handouts, unless permission is expressly granted.
Texas A&M University
Departmental Request for a New Course
Undergraduate □ Graduate □ Professional
- Submit original form and attach a course syllabus.

Form Instructions
1. Course request type:
   - [ ] Undergraduate
   - [X] Graduate
   - [ ] First Professional (DDS, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name):
   Select or Type Department/Program Name
   GEOL 102 Principles of Geology Laboratory
3. Course prefix, number and complete title of course:

4. Catalog course description (not to exceed 50 words):
   Laboratory exercise-based introduction to the physical and chemical nature of the Earth and dynamic process that shape it; rock and mineral types; topographic and geologic maps; a complement to the lecture course GEOL 101, but may be taken independently.

5. Prerequisite(s):

   Cross-listed with:

   Stacked with:

   Cross-listed courses require the signature of both department heads.

6. Is this a variable credit course?
   - [ ] Yes
   - [X] No
   If yes, from _______ to _______

7. Is this a repeatable course?
   - [ ] Yes
   - [X] No
   If yes, this course may be taken ______ times.
   Will this course be repeated within the same semester?
   - [ ] Yes
   - [X] No

8. Will this course be submitted to the Core Curriculum Council?
   - [X] Yes
   - [ ] No

9. How will this course be graded?
   - [X] Grade
   - [ ] S/U
   - [ ] P/F (CLMD)

10. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)
   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

12. [X] I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

13. Prefix Course # Title (excluding punctuation)
   GEOL 102 Principles of Geology Laboratory

<table>
<thead>
<tr>
<th>Lec</th>
<th>Lab</th>
<th>Other</th>
<th>SCH</th>
<th>CIP and Fund Code</th>
<th>Admin. Unit</th>
<th>Acad. Year</th>
<th>FICE Code</th>
</tr>
</thead>
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<td>1</td>
<td>400601 D0033</td>
<td>1305</td>
<td>15-16</td>
<td>00000000</td>
</tr>
</tbody>
</table>

   Approval recommended by:

   [Signature]
   Department Head or Program Chair (Type Name & Sign) Date

   Chair, College Review Committee Date

   Dean of College Date

   Submitted to Coordinating Board by:

   [Signature]
   Chair, GC or UCC Date

   [Signature]
   Associate Director, Curricular Services Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu
Curricular Services – 07/14
Course title and number  GEOL 102: Principles of Geology Laboratory
Term  Fall 2016
Meeting times and location  

Course Description and Prerequisites
This is a laboratory exercise-based introduction to the physical and chemical nature of the Earth and dynamic processes that shape it. This class complements the lecture course GEOL 101, but may be taken as a standalone course.

Prerequisites: none

Learning Outcomes
Students will learn how to use and express geological knowledge through individual and group lab exercises that will also develop the following core skills. Students will be assessed on both knowledge and skills in exercises and tests in lab. (For instance, students may be asked to work in groups to identify specific rocks that would record information about the tectonic history of a region, analyze a map showing the distribution of their selected rocks, and then report their findings in writing.)

- Think critically about geological problems by 1) identifying data and areas of uncertainty, 2) distinguishing between data that are relevant and irrelevant to specific problems, and 3) logically testing hypotheses.
- Communicate about geological problems by 1) organizing written and oral discussions in order to emphasize relevant data and provide a logical flow to a well-supported conclusion, and 2) supporting written text with well-chosen diagrams or illustrations.
- Use empirical and quantitative skills to solve geological problems by 1) constructing and analyzing graphs, 2) describing three-dimensional structures or surfaces from two-dimensional representations (e.g. maps or projections), and 3) identifying patterns or trends from historical data.
- Work in teams to solve geological problems by 1) recognizing different points of view, 2) designing and executing plans to test or reconcile opposing hypotheses, and 3) identifying and reporting areas of uncertainty that prevent consensus.

Textbook and/or Resource Material
Busch, Physical Geology Laboratory Manual, Custom edition for Texas A&M

Grading Policies
Grades will be assigned based on the following assessments:

<table>
<thead>
<tr>
<th>Assessment</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quizzes</td>
<td>30%</td>
</tr>
<tr>
<td>Project</td>
<td>10%</td>
</tr>
<tr>
<td>Exercises</td>
<td>20%</td>
</tr>
<tr>
<td>Midterm</td>
<td>20%</td>
</tr>
<tr>
<td>Final</td>
<td>20%</td>
</tr>
</tbody>
</table>

Numerical grades will be converted to a letter grade as follows: 90.0–100.0 = A, 80.0–89.9 = B, 70.0–79.9 = C, 60.0–69.9 = D, <60.0 = F.
Course Topics, Calendar of Activities, Major Assignment Dates

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Aug. 31-Sept. 4</td>
<td>Plate Tectonics I</td>
</tr>
<tr>
<td>2. Sept. 7-Sept. 11</td>
<td>Minerals</td>
</tr>
<tr>
<td>3. Sept. 14-Sept. 18</td>
<td>Igneous rocks</td>
</tr>
<tr>
<td>4. Sept. 21-Sept. 25</td>
<td>Sedimentary rocks</td>
</tr>
<tr>
<td>5. Sept. 28-Oct. 2</td>
<td>Metamorphic rocks;</td>
</tr>
<tr>
<td>6. Oct. 5-Oct. 9</td>
<td>Mid-term exam</td>
</tr>
<tr>
<td>7. Oct. 12-Oct. 16</td>
<td>Topographic maps</td>
</tr>
<tr>
<td>10. Nov. 2-Nov. 6</td>
<td>Geophysics; earthquakes</td>
</tr>
<tr>
<td>11. Nov. 9-Nov. 13</td>
<td>Hydrogeology</td>
</tr>
<tr>
<td>12. Nov. 16-Nov. 20</td>
<td>Petroleum Geology</td>
</tr>
<tr>
<td>13. Nov. 23-Nov. 27</td>
<td>Thanksgiving, no lab</td>
</tr>
<tr>
<td>14. Nov. 30-Dec. 4</td>
<td>Final exam</td>
</tr>
</tbody>
</table>

Aggie Honor Code

"An Aggie does not lie, cheat, or steal or tolerate those who do." For more information, see Honor Council Rules and Procedures. http://www.tamu.edu/aggiehonor Academic integrity is an essential force in the academic life of a university. It enhances the quality of education and celebrates the genuine achievements of others. It is, without reservation, a responsibility of all members of the Texas A&M University Community to actively promote academic integrity. Apathy or acquiescence in the presence of academic dishonesty is not a neutral act -- failure to confront and deter it will reinforce, perpetuate, and enlarge the scope of such misconduct. http://aggiehonor.tamu.edu

Plagiarism

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If you have any questions regarding plagiarism, please consult the latest issue of the Texas A&M University Student Rules, http://student-rules.tamu.edu/, under the section "Scholastic Dishonesty."

Disability Statement

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, in Cain Hall, Room B118, or call 845-1637. For
additional information visit http://disability.tamu.edu

Absence Policy
This class will follow the University's policy for excused absences. For more information, please see Section 7 of the student rules: http://student-rules.tamu.edu
Texas A&M University
Core Curriculum Cover Sheet
Initial Request for a course to be considered for the Fall 2015 Core Curriculum

1. This request is submitted by (department name): Geology and Geophysics

2. Course prefix and number: GEOL 102

3. Texas Common Course Number: GEOL :103

4. Complete course title: Principles of Geology Laboratory

5. Semester credit hours: 1

6. This request is for consideration in the following Foundational Component Area:
   - [ ] Communication
   - [ ] Mathematics
   - [x] Life and Physical Sciences
   - [ ] Language, Philosophy and Culture
   - [ ] Creative Arts
   - [ ] American History
   - [ ] Government/Political Science
   - [ ] Social and Behavioral Sciences

7. This course should also be considered for International and Cultural Diversity (ICD) designation:
   - [x] Yes
   - [ ] No

8. How frequently will the class be offered? Every semester

9. Number of class sections per semester: 4 to 6

10. Number of students per semester: 600 to 1000

11. Historic annual enrollment for the last three years: 1675 1540 1152

This completed form must be attached to a course syllabus that sufficiently and specifically details the appropriate core objectives through multiple lectures, outside activities, assignments, etc. Representative from department submitting request should be in attendance when considered by the Core Curriculum Council.

12. Submitted by:
   
   Course Instructor

   Date 11/12/15

   Approvals:

   Department Head

   Date 11/12/15

   College Dean/Designee

   Date 11/16/15

For additional information regarding core curriculum, visit the Texas Higher Education Coordinating Board website at www.thecb.state.tx.us/corecurriculum2014

See form instructions for submission/approval process.
In the box below, describe how this course meets the Foundational Component Area description for Life and Physical Sciences. Courses in this category focus on describing, explaining, and predicting natural phenomena using the scientific method. Courses involve the understanding of interactions among natural phenomena and the implications of scientific principles on the physical world and on human experiences.

The proposed course must contain all elements of the Foundational Component Area. How does the proposed course specifically address the Foundational Component Area definition above?

Since geology is a science that is particularly dependent on understanding the evolution of three-dimensional structures and on the physical nature of natural samples (rocks, minerals, fossils), Geology 102 is a hands-on laboratory course designed to introduce students to the scientific method and the physical and chemical nature of the Earth using teaching aids, real-world data sets and quantitative exercises.

Core Objectives

Describe how the proposed course develops the required core objectives below by indicating how each learning objective will be addressed, what specific strategies will be used for each objective and how student learning of each objective will be evaluated.

The proposed course is required to contain each element of the Core Objective.

Critical Thinking (to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information):

Students will think critically about geological problems by 1) distinguishing relevant data for a specific problem 2) identifying areas of uncertainty, and 3) logically testing hypotheses. Exercises require students to apply fundamental principles to solve real world problems through observation of natural Earth materials and interpretation of data sets, geologic maps and three-dimensional drawings of the subsurface.

Communication (to include effective development, interpretation and expression of ideas through written, oral and visual communication):

Students communicate about geological problems by 1) organizing written and oral discussions in order to emphasize relevant data and provide a logical flow to a well-supported conclusion, and 2) supporting written text with well-chosen diagrams or illustrations. Visual communication is a critical part of the geologic sciences. Exercises require students to visualize Earth structures and materials in two and three dimensions, as well as how they move and deform through time. Students will visually communicate three-dimensional objects in two-dimensional planes (maps).

Empirical and Quantitative Skills (to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions):

Students will solve quantitative geological problems by 1) constructing and analyzing graphs (e.g., phase diagrams or stream profiles), 2) describing three-dimensional structures or surfaces from two-dimensional representations (e.g., maps or projections), and 3) identifying patterns or trends from data.
Texas A&M University
Core Curriculum

Initial Request for a Course Addition to the Fall 2016 Core Curriculum

Teamwork (to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal):

Students will collaborate in small groups to synthesize real world data to solve geological problems (e.g., development of theory of plate tectonics; strategies for hazard mitigation and sustainable resource use). Group work requires them to communicate (oral, written and visually), learn from each other's knowledge and consider different perspectives in order to reach consensus on conclusions.

Please be aware that instructors should be prepared to submit samples/examples of student work as part of the future course recertification process.
Texas A&M University
Departmental Request for a New Course
Undergraduate + Graduate + Professional
* Submit original form and attach a course syllabus.

Form Instructions
1. Course request type:  
   ✓ Undergraduate  ☐ Graduate  ☐ First Professional (DOS, JdD, JD, PharmD, DVM)

2. Request submitted by (Department or Program Name):  
   Department of Mathematics

3. Course prefix, number and complete title of course:  
   Math 140, Mathematics for Business & Social Sciences

4. Catalog course description (not to exceed 50 words):  
   (MATH 1324) An introduction to the application of common algebraic functions, including polynomial, exponential, logarithmic, and rational, to problems in business, economics, and the social sciences. The applications include: mathematics of finance, including simple and compound interest and annuities; systems of linear equations; matrices; linear programming; and probability, including expected value. No credit will be given for more than one of MATH 140, MATH 141 and MATH 146.

5. Prerequisite(s):  
   High school algebra I and II and geometry.

6. Cross-listed with:  
   Cross-listed courses require the signature of all department heads.
   Stacked with:
   If yes, from _______ to _______.

   Is this a variable credit course?  ☐ Yes  ✓ No

   Is this a repeatable course?  ☐ Yes  ✓ No
   If yes, this course may be taken ______ times.

   Will this course be repeated within the same semester?  ☐ Yes  ✓ No
   If yes, ______.

   Will this course be submitted to the Core Curriculum Council?  ✓ Yes  ☐ No

   How will this course be graded?  ✓ Grade  ☐ S/U  ☐ P/F (CLMO)

7. This course will be:  
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)
      Satisfies 3 hours of the Core Curriculum requirement in Mathematics.
   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

8. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

9. I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

10. Prefix  Course #  Title (excluding punctuation)
    MATH  140  MATH FOR BUSINESS & SOCIAL SCI

    | Lect. | Lab | Other | SCH | CIP and Fund Code | Admin. Unit | Acad. Year | FICE Code |
    |-------|-----|-------|-----|-------------------|-------------|------------|-----------|
    | 3.00  | 0.00| 0.00  | 3.00| 203010001         | 1875        | 16         | 0 0 3 6 3 2 |

   Approval recommended by:  
   Dr. Paulo Lima-Filho
   (Signature)

   Department Head or Program Chair (Type Name & Sign)  Date

   Chair, College Review Committee  Date
   11-20-15

   Department Head or Program Chair (Type Name & Sign)  Date
   (if cross-listed course)

   Dean of College  Date
   11-23-15

   Submitted to Coordinating Board by:  
   Chair, CCRUC  Date

   Associate Director, Curricular Services  Date

   Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 9/14
Math 140 - Mathematics for Business & Social Sciences
Fall 2016

Instructor: Dr. Staff

Office Hours: TBA

Email: unknown_yet@tamu.edu. Include your full name and class/section number in any email

Webpage: TBA

Catalog Description:
Math 140: Mathematics for Business & Social Sciences (Credit 3) (MATH 1324) The application of common algebraic functions, including polynomial, exponential, logarithmic, and rational, to problems in business, economics, and the social sciences are addressed. The applications include mathematics of finance, including simple and compound interest and annuities; systems of linear equations; matrices; linear programming; and probability, including expected value. No credit will not be given for more than one of MATH 140, MATH 141 and MATH 166.
Prerequisites: High school algebra I and II and geometry.

Learning Outcomes:

Upon successful completion of this course, students will:

1. Apply elementary functions, including linear, quadratic, polynomial, rational, logarithmic, and exponential functions to solving real-world problems.
2. Solve mathematics of finance problems, including the computation of interest, annuities, and amortization of loans.
3. Apply basic matrix operations, including linear programming methods, to solve application problems.
4. Demonstrate fundamental probability techniques and application of those techniques, including expected value, to solve problems.
5. Apply matrix skills and probability analyses to model applications to solve real-world problems.

Core Objectives

Critical Thinking
- Students will carefully examine and interpret statements to determine equivalent mathematical notation and/or equations.
- Students will think logically in order to set up a system of equations and solve a word problem.
- Students will analyze given information to set up a linear programming problem, including a system of linear inequalities.
- Students will use inquiry to determine if a solution exists to a linear programming problem.
- Students will understand the difference between odds and the probability of an event, and be able to determine one given the other.
- Students will understand the difference between simple and compound interest and when to use each.
Communication Skills
- Students will express mathematical concepts both abstractly with equations and in writing.
- Students will exhibit functions, as well as solutions to linear inequalities, graphically.
- Students will explain why a matrix operation is possible or not, and interpret the meaning of the entries of the resulting matrix when the operation makes sense.
- Students will solve linear programming problems graphically and with matrices.
- Students will answer questions during lecture concerning topics discussed in class.

Empirical and Quantitative Skills
- Students will develop business-related mathematical models from given data, such as cost, revenue, profit, supply, demand, or depreciation.
- Students will create empirical probability distributions based on a given set of data.
- Students will use statistics to make informed conclusions about real-world problems, such as determining the premium for an insurance policy.
- Students will use effective interest rates to select the best loan or savings option.
- Students will analyze financial information to make decisions regarding everyday applications, such as loan payments, annuities, amortizations, or sinking funds.

Required Materials:
- Textbook: Finite Mathematics and Calculus with Applications, 9th ed. by Lial, Greenwell and Ritchey

- Calculator: A TI-83, TI-84 (Regular, Plus or Silver edition) or the TI-Nspire (non-CAS version) calculator is REQUIRED and you must bring your calculator to each class. If you want to use a calculator other than those listed, it may not perform symbolic mathematics and you must have my permission to do so.

- Texas A&M Student ID: You must bring your student ID to class with you.

- WebAssign Account Access Code: We will be using the online system WebAssign in this class. In order to have a WebAssign account, you must purchase an access code. Access codes will be purchased directly from WebAssign online. For access code purchasing information, please visit http://www.math.tamu.edu/courses/eHomework/

Grading:

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<tr>
<td>Quizzes</td>
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<td>Daily Grades</td>
<td>15%</td>
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<tr>
<td>Three In-Class Exams</td>
<td>15% each</td>
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<tr>
<td>Cumulative Final Exam</td>
<td>25%</td>
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Required Averages: A 90–100%  B 80–89%  C 70–79%  D 60–69%  F 0–59%

Tentative Exam Schedule:

Exam I       End of week 5
Exam II      End of week 9
Exam III     End of week 13
Final Exams: Time TBA (see the academic calendar when posted)

Attendance & Make-up Policy: Attendance is required in this class.

No make-up exams or late assignments are possible accepted without a University-approved excused absence (see the Texas A&M University Student Rules).

An absence for a non-acute medical service or regular check-up does not constitute an excused absence.

To be excused, you must notify me in writing prior to the date of absence if possible. Consistent with Texas A&M Student Rules, in cases where advance notification is not feasible (e.g. accident, or emergency) the student must provide notification by the end of the second working day after the absence. This notification should include an explanation of why notice could not be sent prior to the class.

For injury or illness too severe or contagious to attend class, you must provide confirmation of a visit to a health care professional affirming date and time of visit. The Texas A&M University Explanatory Statement for Absence from Class form will not be accepted. It is the student's responsibility to schedule a make-up in a timely manner.

Homework: Homework will be both online and written assignments.

Quizzes: In-class quizzes will typically occur once per week.

Extra Help & Preparing for Exams

Office Hours: Please attend office hours for additional one-on-one help.

Week-in-Review: The Week-in-Review is a review session for all Math 140 students once per week to review the topics of the previous week and to provide additional examples. Time, location, and notes will be announced.

Practice: In addition to the WIR problems, I strongly recommend that you practice extra problems on your own from the book. See the suggested homework list on my webpage.

Help Sessions: Help sessions are an opportunity for you to ask questions and get help with your homework. The schedule is at

http://www.math.tamu.edu/teaching/helpsession/helpsessions.html

Copyright:
All exams, printed handouts and/or assignments, and web-materials are protected by U.S. Copyright Laws. No multiple copies can be made without my written permission. No exams or assignments may be shared with anyone outside of the class.
Academic Integrity Statement:
"An Aggie does not lie, cheat, or steal or tolerate those who do."

Upon accepting admission to Texas A&M University, a student immediately assumes a commitment to
uphold the Honor Code, to accept responsibility for learning, and to follow the philosophy and rules of the
Honor System. Students will be required to state their commitment on examinations, research papers, and
other academic work. Ignorance of the rules does not exclude any member of the TAMU community from
the requirements or the processes of the Honor System.

For additional information please visit: http://aggiehonor.tamu.edu

American with Disabilities Act (ADA) Statement:
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides
comprehensive civil rights protection for persons with disabilities. Among other things, this legislation
requires that all students with disabilities be guaranteed a learning environment that provides for
reasonable accommodation of their disabilities. If you believe you have a disability requiring an
accommodation, please contact Disability Services, currently located in the Disability Services building at
the Student Services at White Creek complex on west campus or call 845-1637. For additional
information visit http://disability.tamu.edu

Tentative Schedule: All changes will be announced in class or on the web or via e-mail.

Week 1 – Lines, Basic Matrices, Matrix Operations
Week 2 – Matrix Multiplication, Applications and Interpretation, Linear Functions and Applications
(Cost, Revenue, Profit, Supply, Demand, Regression)
Week 3 – Solving Systems of Equations Graphically and by Substitution, Augmented Matrices,
Gauss-Jordan
Week 4 – RREF, Writing Infinite Solutions, Word Problems, Inverse Matrices, Leontief
Week 5 – Review, Exam 1
Week 6 – Graphing Inequalities, Setting up Linear Programming Word Problems, Method of Corners
Week 7 – Simplex Method (Max, Min), Sample Spaces, Events
Week 8 – Basic Probability, Random Variables, Probability Distributions, Expected Value, Decision
Analysis, Fair Games
Week 9 – Review, Exam 2
Week 10 – Domain, Function Notation, Basic Functions, Shifts of Basic Functions, Quadratics,
Applications of Quadratics
Week 11 – Polynomial Functions, Rational Functions, Asymptotes, Exponential Functions
Week 12 – Log Functions, Applications, Review
Week 13 – Exam 3 (Note: Thanksgiving falls during this week.)
Week 14 – Finance
Week 15 – Finance, Review for Final Exam
Supporting statement for the creation of Math 140:

All but three departments at our University will accept Texas common course Math 1324 as satisfying three hours of core curriculum math for their degree plans. Since we do not have a course equivalent to Math 1324, we felt the creation of such a course was necessary for our transfer students. We have created Math 140 as this equivalent.
Texas A&M University
Departmental Request for a New Course
Undergraduate  •  Graduate  •  Professional
Submit original form and attach a course syllabus.

Form Instructions:
1. Course request type: ☑ Undergraduate  □ Graduate  □ First Professional (DJD, MD, JD, Ph.D., DVM)
2. Request submitted by (Department or Program Name): Texas A&M Institute for Neuroscience
3. Course prefix, number and complete title of course: NRSC 350 Science of Mind & Brain
4. Catalog course description (not to exceed 50 words):
   Research in cognitive neuroscience; methodological advances that enable the study of the human brain safely in the laboratory; complex aspects of the mind like emotion, social behavior, and consciousness.

5. Prerequisite(s):
   Junior or senior classification
   Cross-listed with: PSYC 350
   Stacked with:  
   Cross-listed courses require the signature of both department heads.

6. Is this a variable credit course?  □ Yes  □ No
   If yes, from ________ to ________
7. Is this a repeatable course?  □ Yes  □ No
   If yes, this course may be taken ________ times.
   Will this course be repeated within the same semester?  □ Yes  □ No
8. Will this course be submitted to the Core Curriculum Council?  □ Yes  □ No
9. How will this course be graded?  ☑ Grade  □ S/U  □ P/F (CLMD)
10. This course will be:
    a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)
    b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

   B.A., B.S. in Psychology; Minor in Neuroscience

11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.
12. ☑ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

13. Prefix  Course #  Title (excluding punctuation)
    NRSC  350  Science of Mind & Brain

   Lect.  Lab  Other  SCH  CIP and Fund Code  Admin. Unit  Acad. Year  FICE Code
   3.00  0.00  0.00  3.00  2615010002  2514  16-17  0 0 3 6 3 2

Approval recommended by:
Dr. Jane Welsh 10-24-15
Department Head or Program Chair (Type Name & Sign) Date
Chair, College Review Committee

Dr. Doug Woods 10-24-15
Department Head or Program Chair (Type Name & Sign) Date
Dean of College 10-29-15

Submitted to Coordinating Board by:
Chair, GC or UCC Date

Associate Director, Curricular Services Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu
Curricular Services – 07/14

Date

RECEIVED
NOV 17 2015
CURRICULAR SERVICES
**PSYC/NRSC 350 Science of Mind & Brain**
Spring 2017 MWF 3-3:50PM
Room: Psychology Building 336

**Course description**
Research in cognitive neuroscience; methodological advances that enable the study of the human brain safely in the laboratory; complex aspects of the mind like emotion, social behavior, and consciousness.
**Prerequisites:** Junior or senior standing

**Course overview**
This course is an introduction to the field of cognitive neuroscience. Cognitive neuroscience combines cognitive psychology and cognitive science with biology and neuroscience. It has emerged as a distinct enterprise only recently and has been driven by methodological advances that enable the study of the human brain safely in the laboratory. Early on, cognitive neuroscience sought to understand well understood aspects of cognition like memory and attention. More recently, cognitive neuroscience has sought to understand complex aspects of the mind like emotion, social behavior, and consciousness.

**Learning outcomes**
By the end of this course, students should be able to:
- Analyze the major methods used for imaging the brain.
- Critically evaluate the use of brain imaging in popular science.
- Describe how the mind and brain control behavior, from actions, emotion, and complex decisions.
- Describe how damage to even small parts of the brain can lead to complex and damaging changes to behavior.

**Instructor information**
Joseph M. Orr, Ph.D.
Assistant Professor of Psychology
Psychology Building Room 291
Office Hours: Tues 12-1p and Thurs 11-12p or by appointment.
Email: joseph.orr@tamu.edu
Phone: tbd (email greatly preferred)

**Textbook and/or resource materials**
Other papers and videos will be posted to the course website on ecampus.

**Course website**
The syllabus, study guides, readings, and test grades will be posted on ecampus (http://ecampus.tamu.edu).

**Course Requirements**
1) **Exams:** (95 points) There will be three exams throughout the semester, two mid-term exams and a comprehensive final exam. The two mid-term exams are each worth 25% of your final grade. The final exam is worth 45% of your final grade. The final exam will cover material presented in the whole semester, but will contain more material from the final ½ of the course. The final exam will occur on the scheduled final exam date (Monday May 9th, 10:30am - 12:30pm). If you have three final exam scheduled in the same day you must request rescheduling through the dean, but you should let me know ASAP (see
http://student-rules.tamu.edu/rule08). Exams will be multiple-choice and short answer/ free response and will cover material presented in class and in required readings listed below. All exams will start promptly at the beginning of class and you will not be allowed to take the exam if you arrive more than 20 minutes late or after the first person to finish leaves the classroom, whichever happens first. Make up exams require the appropriate documentation of a University-approved absence (see section on absences below) and will consist of multiple-choice and short-answer questions. Make up exams for the two midterms exams must occur within a week from the last day of the excused absence period. A make-up exam for the final must occur during office hours before the end of the semester. If you believe that an item on a test was incorrectly counted wrong, you have a week from the time that grades are posted to protest your grade. To protest a grade, you should send me a thoughtful written response regarding why you think your answer should be counted as correct.

For each exam, you will need to bring a gray scantron form (8 ½ X 11”) and a #2 pencil. Grades will be posted as soon as possible on ecampus (http://ecampus.tamu.edu).

2) Participation: (5 points) You will learn the most by actively participating in class discussions and by asking questions when you do not understand something. In fact, many cognitive psychology studies demonstrate that actively engaging in discussion of to-be-learned material can dramatically improve your ability to remember the material. So, speak up and participate whenever you can! If you do not feel comfortable speaking in class I will also consider your participation via email, the course website, and office hours.

Grading scale
A = 90-100
B = 80-89
C = 70-79
D = 60-69
F = below 60

Course Policies
Attendance: It will be very difficult for you to do well in this course if you do not attend class regularly. My lectures will often go into greater detail than that provided by the text, and will include applications of the topic. My expectation is that you will be reading the textbook prior to coming to class. In addition, your overall learning experience will be greatly enhanced if you keep up with the assigned readings. Please note that you will be tested on materials from class and from your readings. 5 percent of your grade will be based on discussion participation. You can't participate if you are not in class!

Absences: “Except in the case of the observance of a religious holiday, to be excused [for an absence] the student must notify the instructor in writing (acknowledged e-mail message is acceptable) prior to the date of absence if such notification is feasible. In cases where advance notification is not feasible (e.g. accident, or emergency) the student must provide notification by the end of the second working day after the [final day of their] absence. This notification should include an explanation of why notice could not be sent prior to the class. Accommodations sought for absences due to the observance of a religious holiday can be sought either prior or after the absence, but not later than two working days after the absence. If needed, the student must provide additional documentation substantiating the reason for the absence that is satisfactory to the instructor, within one week of the last date of the absence.” See http://student-rules.tamu.edu/rule07

Classroom environment: 1. Please be on time; late-comers are frowned upon. This is a small class and late arrivals will be disruptive. 2. Don’t pack up your belongings early; I promise to end class promptly at 3:50p. Again, with the small class size, arrivals/ departures will be disruptive. If you anticipate having to leave class early, as a courtesy to
me and your fellow classmates, please let me know before class begins. 3. Unless you are expecting an emergency phone call, please turn off cell phones and other devices that might disturb class. Any use of an electronic communication device without instructor permission during an exam could result in a failing grade for the course.

**Academic Integrity Statement and Policy:** “An Aggie does not lie, cheat or steal, or tolerate those who do.”
http://aggiehonor.tamu.edu/ Any suspected violations will be reported to the Aggie Honor System Office.

**Americans with Disabilities Act (ADA) Policy Statement**
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information, visit http://disability.tamu.edu.

**Diversity Statement**
Respect for cultural and human biological diversity are core concepts of Psychology. In this course, each voice in the classroom has something of value to contribute to class discussion. Please respect the different experiences, beliefs and values expressed by your fellow students and instructor, and refrain from derogatory comments about other individuals, cultures, groups, or viewpoints. The Psychology Department supports the Texas A&M University commitment to Diversity, and welcomes individuals of all ages, backgrounds, citizenships, disabilities, education, ethnicities, family statuses, genders, gender identities, geographical locations, languages, military experience, political views, races, religions, sexual orientations, socioeconomic statuses, and work experiences (See http://diversity.tamu.edu).

**Schedule of topics and assignments**

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<thead>
<tr>
<th>Week</th>
<th>Lecture Topics &amp; Objectives</th>
<th>Reading/Activity</th>
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<tbody>
<tr>
<td>1</td>
<td>Course Overview/Syllabus Review</td>
<td>Ch 1</td>
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<tr>
<td></td>
<td>What is cognitive neuroscience?</td>
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<td>Basic brain anatomy</td>
<td>Ch 2</td>
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<td>2</td>
<td>How is the brain organized? Brain regions and systems</td>
<td>O'Reilly, TINS</td>
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<td>Evolution of the brain - What makes humans human?</td>
<td>Gazzaniga, Ch 1</td>
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<td>Electrophysiology of the brain - Animal and human methods</td>
<td>Ch 3</td>
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<td>3</td>
<td>Brain imaging - Animal and human methods</td>
<td>Ch 4</td>
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<td>Brain imaging interactive session</td>
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<td>4</td>
<td>Neuropsychology: Lesions and brain stimulation</td>
<td>Ch 5</td>
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<td>The plastic brain</td>
<td>Gazzaniga, Ch 2</td>
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<td>Cognitive neuroscience study design</td>
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<td><strong>Exam 1</strong></td>
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<td>5</td>
<td>Basic vision - How does the brain see?</td>
<td>Ch 6</td>
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<td>Ventral visual pathway - What do I see?</td>
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<td>Dorsal visual pathway - Understanding the where of the world</td>
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<td>6</td>
<td>The auditory system - Music to my ears brain</td>
<td>Ch 10</td>
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<td>The speaking brain</td>
<td>Ch 11</td>
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<td>The reading brain</td>
<td>Ch 12</td>
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<td>7</td>
<td>Bottom-up attention - How is our attention captured?</td>
<td>Ch 7</td>
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<td>Top-down attention - How do we pay attention?</td>
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<td>Spatial neglect - Examples from neuropsychology</td>
<td>Gazzaniga Ch 3 Excerpts</td>
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<td>8</td>
<td>ADHD and reading disorders</td>
<td>Ch 13</td>
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<td>8</td>
<td>Numerical processing: 2+2 = ?</td>
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<td>8</td>
<td>Motor system: Brain to Limb</td>
<td>Ch 8</td>
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<td>9</td>
<td>Voluntary control of action</td>
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<td><strong>Exam 2</strong></td>
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<td>Skills acquisition: T-ball to Pro Ball</td>
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<td>10</td>
<td>Exam Review and Mid-term synopsis</td>
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<td>The hippocampus remembers: Insights from neurosurgery</td>
<td>Gazzaniga Ch 46</td>
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<td>Long-term memory: Storage and retrieval of memories</td>
<td>Ch 9</td>
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<td>11</td>
<td>Working-memory: RAM of the brain</td>
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<td>The prefrontal cortex as the CPU of the brain</td>
<td>Ch 14</td>
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<td>Flexible control of behavior</td>
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<td>12</td>
<td>Multitasking: A myth?</td>
<td>Monsell paper</td>
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<td>Reasoning</td>
<td>Gazzaniga Ch 69</td>
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<td>Decision Making</td>
<td>Gazzaniga Ch 70</td>
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<td>13</td>
<td>Reward processing: Sex, drugs, and rock n roll</td>
<td>Wallis paper</td>
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<td>Social processing - Who am I? Who are you?</td>
<td>Ch 15</td>
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<td>Emotion in the brain</td>
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<td>14</td>
<td>Consciousness</td>
<td>Gazzaniga Excerpts</td>
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<td>The developing and aging brain</td>
<td>Ch 16</td>
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<td>Student choice: Brain training, brain disorders, neuroscience in the media</td>
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<tr>
<td></td>
<td><strong>FINAL EXAM</strong></td>
<td>Final Exam</td>
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<tr>
<td></td>
<td>See final exam schedule (<a href="http://registrar.tamu.edu/Courses,-Registration,-Scheduling/Final-Exam-Schedule">http://registrar.tamu.edu/Courses,-Registration,-Scheduling/Final-Exam-Schedule</a>)</td>
<td></td>
</tr>
</tbody>
</table>
Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
• Submit original form and attach a course syllabus.

1. Course request type:  
   - Undergraduate  
   - Graduate  
   - First Professional (D.D.S. M.D. J.D. Pharm.D. DVM)

2. Request submitted by (Department or Program Name):  
   Department of Public Health Studies
   PHLT 484 Public Health Studies Field Experience

3. Course prefix, number and complete title of course:  

4. Catalog course description (not to exceed 50 words):  
   On the job training in the area of public health studies industry; development of objectives and goals; evaluation by supervisor required.

5. Prerequisite(s):  
   Approval of instructor; junior or senior classification; PHS major with a minimum overall 3.0 TAMU GPA.
   Cross-listed with:  
   Stacked with:  
   Cross-listed courses require the signature of both department heads.

6. Is this a variable credit course?  
   - Yes  
   - No  
   If yes, from _______ to _______

7. Is this a repeatable course?  
   - Yes  
   - No  
   If yes, this course may be taken _______ times.
   Will this course be repeated within the same semester?  
   - Yes  
   - No

8. Will this course be submitted to the Core Curriculum Council?  
   - Yes  
   - No

9. How will this course be graded?  
   - Grade  
   - S/U  
   - P/F (CLMD)

10. This course will be:  
   a. required for students enrolled in the following degree programs(s) (e.g., B.A. in history)
   b. an elective for students enrolled in the following degree program(s) (e.g., M.S. Ph.D. in geography)

B.S., Public Health

11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

12. I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls-basics-for-distance-education).

13. Prefix  
   Course #  
   Title (excluding punctuation)

<table>
<thead>
<tr>
<th>PHLT</th>
<th>484</th>
<th>Public Health Studies Field Ex</th>
</tr>
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<tbody>
<tr>
<td>Lect.</td>
<td>Lab</td>
<td>Other</td>
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</table>

Approval recommended by:  
Gilbert Ramirez  
Department Head or Program Chair (Type Name & Sign)  
Date 11-13-15

Ranjana Mehta  
Chair, College Review Committee  
Date

Jay Maddock  
Dean of College  
Date

Submitted to Coordinating Board by:  
Chair, GC or UCC  
Date  
ESS H-Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu-edu.
Curricular Services - 07/14

RECEIVED CURRICULAR SERVICES Nov 20 2015
Instructor Information

Course title and number  PHLT 484 Public Health Studies Field Experience
Term  Spring 2016
Meeting times and location  TBD

Instructor Name(s)

Teaching Assistant(s)  
Telephone number  979.436.XXX
Email address  TAMU email
Office hours  At least 5 on at least 2 days
Office location  SPH AXXX

Course Description

This course provides opportunities for learning and training experiences in the field of Public Health which are appropriate to the student's career goals; professional supervision required. Payment for the training/field experience is optional. The following are typical examples of jobs for which credit may be granted: Shadowing a public health professional (this should involve some contact with clients in practice setting); Working as a public health professional (employment as a program assistant); Working in public health research (employment in a research laboratory). The student will receive 3 hours of PHLT directed elective credit upon completion of the course requirements (Letter grade). If the student is obtaining 485 credit for the field experience, then 484 credit will not be granted.

Prerequisites

Approval of instructor, junior or senior classification, PHS major with a minimum overall 3.0 TAMU GPA.

Learning Outcomes and Course Objectives

By completing the class assignments, through participation and by completing the readings, the student will be able to:

<table>
<thead>
<tr>
<th>Learning Outcome</th>
<th>Learning Objective</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Program Goal 1. Understand the history, ethics, and traditions of the field of public health.</strong></td>
<td></td>
</tr>
<tr>
<td>Describe the history, ethics, and traditions of public health to include its core values, concepts and functions in society.</td>
<td>• Objectives will be specific to student experience.</td>
</tr>
<tr>
<td><strong>Program Goal 2. Value the scope and nature of problems and challenges addressed by the field of public health.</strong></td>
<td></td>
</tr>
<tr>
<td>Describe socioeconomic, behavioral, biological, environmental and other factors that impact population health and</td>
<td>• Objectives will be specific to student experience.</td>
</tr>
<tr>
<td>Program Goal 3. Appreciate the breadth, depth and variety of intellectual and practical skills employed in the field of public health.</td>
<td></td>
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<tr>
<td>---------------------------------------------------------------</td>
<td></td>
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<tr>
<td>Illustrate basic concepts related to data in public health including, collection tools and methods, analysis, and reporting with understanding of why evidence-based approaches are essential.</td>
<td></td>
</tr>
<tr>
<td>Employ basic intervention processes and approaches to address public health concerns of populations.</td>
<td></td>
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<tr>
<td>Apply fundamental concepts and features of project implementation, including planning, assessment and evaluation.</td>
<td></td>
</tr>
<tr>
<td>Identify basic concepts of legal, ethical, economic and regulatory dimensions public health and the roles, influences and responsibilities of government, private sector and other stakeholders.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Program Goal 4. Appreciate the variety of communication methods and cultural competence required in the field of public health.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Demonstrate basic concepts of public health-related communication, including culturally competent technical and professional writing and the use of other communication tools.</td>
</tr>
</tbody>
</table>
Course Topics, Calendar of Activities, Major Assignment Dates

Topics and Activities will be specific to student experience

Grading Policies

Your final grade will consist of the following assignments:

1. **Sixty (60) documented hours of work experiences.** The PHLT 484 Instructor must approve the work before enrolling in the course. The attached form can be used to document the hours. (36 points)

2. **Field experience completion letter.** The student's supervisor must provide a letter certifying that the student has satisfactorily completed all the requirements of the field experience. The completion letter should be addressed to the PHLT 484 Instructor and should be on letterhead and signed by the student's supervisor. Comments by the supervisor are welcome, but not required. (32 points)

3. **Final written report.** The student must provide a brief overview of their PHLT 484 activities and summarize their overall experiences and impressions. Areas for discussion may include ascertained strengths, weaknesses, ethical struggles and any unique or unusual experiences. This report should be approximately one page in length (12 pt font, 1.5 line spacing, 1" top/bottom margins, 1.25" left/right margins). (32 points)

The grading scale will be as follows:

- 90-100% = A
- 80-89% = B
- 70-79% = C
- 60-69% = D
- 0-59% = F

Due Date:
All assignments (documentation of work hours, completion letter and final report) are due by 4pm last class day of semester (e.g. before reading days). All work not turned in by this date and time will receive a grade of zero for that assignment and a final grade for the course will be assigned accordingly.

Attendance and Make-up Policies

**Attendance:** Attendance is expected in this class. All students are expected to arrive on time and be ready to actively participate in lecture every day.

A university-excused absence is the *only* excuse acceptable for missing an assignment credit. For information regarding what constitutes an excused absence, please see [http://student-rules.tamu.edu/rule07](http://student-rules.tamu.edu/rule07). For absences related to illness, confirmation of a visit to a health care professional will be required. For other university-excused absences, please see your advisor to ascertain the documents needed to confirm your absence.

Unexcused assignments will result in a grade of a 0, for missed assignments.

If an absence is excused, the instructor will either provide the student an opportunity to make up any work that contributes to the final grade or provide a satisfactory alternative by a date agreed upon by the student and instructor. If the instructor has a regularly scheduled make up exam, students are expected to attend unless they have a university approved excuse. The make-up work must be completed in a timeframe not to exceed 30 calendar days from the last day of the initial absence. The reasons absences are considered excused by the university are listed below. See Student Rule 7 for details [http://student-rules.tamu.edu/rule07](http://student-rules.tamu.edu/rule07).

The fact that these are university-excused absences does not relieve the student of responsibility for prior notification and documentation. Failure to notify and/or document properly may result in an unexcused absence. Falsification of documentation is a violation of the Honor Code.
Other absences may be excused at the discretion of the instructor with prior notification and proper documentation. In cases where prior notification is not feasible (e.g., accident or emergency) the student must provide notification by the end of the second working day after the absence, including an explanation of why notice could not be sent prior to the class.

**Other Pertinent Course Information**

Every effort will be made to ensure that power point lecture files, notes, articles and assignments are available online in a timely manner. Written assignments will be delivered thru the eCampus course website. Handouts, changes in assignments or the schedule of class modules will be announced on the eCampus course webpage. E-mail contact will be initiated with all students the first week of class.

**eCampus**

If this course uses eCampus: Within the course’s eCampus site you will access the learning materials, tutorials, and syllabus; discuss issues; submit assignments; take quizzes; email other students and the instructor; participate in online activities; and display your projects.

In order to access the course material you will need to go to login into Howdy and then click the eCampus button on the top right or look for Quick Links on the bottom of the School’s homepage or go to [http://ecampus.tamu.edu](http://ecampus.tamu.edu) Please do not contact your instructor with technical problems. If you are having a technical problem with the course, review the [Blackboard Learn Tutorials](http://ecampus.tamu.edu) (at the top-right of School’s Office of Academic Assessment and Instructional Technology website), or contact John C. Lingsweiler in the School’s Office of Academic Assessment and Instructional Technology. John may be reached at (979) 436-9409 or at [lingsweiler@sph.tamhsc.edu](mailto:lingsweiler@sph.tamhsc.edu). For login issues (password not working), please contact TAMU Help Desk at [helpdesk@tamu.edu](mailto:helpdesk@tamu.edu) via E-mail, or phone to (979) 845-8300. **Your eCampus login is the same as your Howdy login (NetID).**

**Computer Requirements for Online Courses**

For this and all online courses we recommend the minimum technical requirements outlined on our "SPH Computer Requirements for Online Courses" web page, located at [http://www.sph.tamhsc.edu/assessment-instructional/com-requirement.html](http://www.sph.tamhsc.edu/assessment-instructional/com-requirement.html) [distance-education/technical-specifications.html](http://www.sph.tamhsc.edu/assessment-instructional/com-requirement.html)

All computing problems or other technical issues **not related to eCampus**, please contact:

- TAMHSC related account: [helpdesk@sph.tamhsc.edu](mailto:helpdesk@sph.tamhsc.edu) via E-mail, or phone to (979) 862-8029
- TAMU related account: [helpdesk@tamu.edu](mailto:helpdesk@tamu.edu) via E-mail, or phone to (979) 845-8300

**Important!!!** Save your work as you go along. Nothing is more discouraging than to lose an assignment due to a computer hang ups! You may want to also make hard copies of your work to have "proof" and save yourself time and trouble!

**Plagiarism Virtual Course**

Plagiarism is the leading form of academic dishonesty that the School of Public Health has to address. As a SPH student, you are responsible for knowing what plagiarism is and how to avoid it. All SPH students are automatically enrolled in Plagiarism Virtual Course on eCampus. This virtual course provides you with information and examples related to plagiarism in an effort to reduce the number of reported incidents. Please find a tutorial and resources under "Content." In addition, please find Turnitin, a software package that allows you to check whether you may have plagiarized your document. Please see Phuong Huynh: [phanh@sph.tamhsc.edu](mailto:phanh@sph.tamhsc.edu) for additional information.

**Reference Formatting**
All PHLT course writing assignments require students to use the APA referencing format. Students are encouraged to become familiar with referencing software (e.g., RefWorks or EndNote) but are responsible in adopting appropriate citation styles used.

TAMU Library Website on Citations: http://guides.library.tamu.edu/CitingSources

Purdue OWL APA Format Website: https://owl.english.purdue.edu/owl/resource/560/01/

Additional details on appropriate citation and how to avoid plagiarism can be found in the Virtual Plagiarism Course section of the syllabus.

**End of Course Evaluation**

Constructive feedback from students on course evaluations is taken very seriously at the School of Public Health. I am asking for your assistance in helping the School in its assessment of courses and faculty through your participation in the evaluation of your courses. As public health professionals, you will one day have the responsibility to evaluate colleagues and health initiatives. The School views providing feedback on the School's courses as part of your professional responsibility.

**SPH Mission**

Our mission is to create and apply knowledge acquired from the disciplines of public health to the education of public health leaders and practitioners through our research, practice, and service in the state of Texas, nationally, and globally.

**Americans with Disabilities Act (ADA)**

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information, visit http://disability.tamu.edu.

**Academic Integrity**

Academic integrity is the pursuit of scholarly activity free from fraud and deception and is an educational objective of this institution. Students are expected to adhere to all TAMUS, TAMU, HSC, and School policies regarding academic integrity and classroom conduct. Academic dishonesty includes, but is not limited to, cheating, plagiarizing, fabricating information or citations, facilitating acts of academic dishonesty by others, having unauthorized possession of examinations, submitting work of another person or work previously used, or tampering with the academic work of another student. Individuals found guilty of academic dishonesty may be dismissed from the degree program, and at a minimum will receive an F for the course. It is the student's responsibility to have a clear understanding of how to reference other individuals' work, as well as having a clear understanding in general as to the various aspects of academic dishonesty. A tutorial on this issue is available at: http://SPH.tamhsc.edu/academic-affairs/academic-integrity.html.

Information on the Aggie Honor Code can be found at http://aggiehonor.tamu.edu.

Remember: “An Aggie does not lie, cheat, or steal, or tolerate those who do.”

**Copyright Statement**
The materials used in this course are copyrighted. These materials include but are not limited to syllabi, quizzes, exams, lab problems, in-class materials, review sheets, and additional problem sets. Because these materials are copyrighted, you do not have the right to copy the handouts, unless permission is expressly granted by the instructor.

**FERPA**

The Federal Education Rights & Privacy Act requires that we advise students that by registering for this course, their HSC assigned e-mail address will be revealed to classmates and the instructor. By continuing your enrollment in the course you acknowledge your understanding of this policy. By enrolling in this course you agree to the following statement: “I understand that as a result of registering for this course, my HSC/Blackboard assigned e-mail address will be revealed to classmates and the instructor.”

**Equal Opportunity Statement**

The Texas A&M Health Science Center is an Equal Opportunity/ Affirmative Action employer. Inquiries regarding nondiscrimination policies may be directed to the Human Resources Officer by phone at (979) 436-9208, email hr@tamhsc.edu, or by mail at 200 Technology Way, College Station, TX 77845.

**DISCLAIMER**

This syllabus is representative of materials that will be covered in this class; it is not a contract between the student and the institution. It is subject to change. These changes will be communicated via email or posted as announcements. If you have any problems related to this course, please feel free to discuss them with the instructor.

**Title IX**

Title IX of the Education Amendments of 1972 protects people from sex discrimination in educational programs and activities at institutions that receive federal financial assistance. Texas A&M University and the Texas A&M Health Science Center are committed to maintaining a learning environment that is free from discriminatory conduct based on gender. As required by Title IX, the University does not discriminate on the basis of sex in its education programs and activities, and it encourages any student or non-student who thinks that he or she has been subjected to sex discrimination, sexual harassment (including sexual violence) or sexual misconduct by another student, member of the faculty or staff, or campus visitor or contractor, to immediately report the incident to any of the individuals persons or offices listed below.

WHERE TO REPORT:
James Nachlinger,
Executive Director, Payroll and HR Services
Title IX Coordinator
979-436-9207
nachlinger@tamhsc.edu

The University encourages students to immediately consult with or report incidents of sex discrimination, sexual harassment (including sexual violence) or sexual misconduct to the TAMHSC Title IX Coordinator. Students may also report incidents of sex discrimination, sexual harassment (including sexual violence) or sexual misconduct to any School of Public Health administrator, university administrator, official or unit supervisor, who is then responsible for promptly notifying any of the above Title IX coordinators of the reported incident.
Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
• Submit original form and attach a course syllabus.

Form Instructions:
1. Course request type: ☑ Undergraduate ☐ Graduate ☐ First Professional (DDS, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name): Department of Physics and Astronomy
3. Course prefix, number and complete title of course: PHYS 328 Experimental Physics II
4. Catalog course description (not to exceed 50 words):
Laboratory experiments in modern physics and physical optics with an introduction to current, state-of-the-art recording techniques

5. Prerequisite(s):
   PHYS 225, 309, 327
   Cross-listed with:
   Stack with:

   Cross-listed courses require the signature of both department heads.

6. Is this a variable credit course? ☐ Yes ☑ No If yes, from ______ to ______
7. Is this a repeatable course? ☐ Yes ☑ No If yes, this course may be taken ______ times.
   Will this course be repeated within the same semester? ☐ Yes ☐ No
8. Will this course be submitted to the Core Curriculum Council? ☑ Yes ☐ No
9. How will this course be graded? ☑ Grade ☐ S/U ☐ P/F (CLMD)
10. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history) BS in physics, BA in physics
   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.
12. ☑ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

13. Prefix Course # Title (excluding punctuation)
    PHYS 328 EXPERIMENTAL PHYSICS II

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<th>Lab</th>
<th>Other</th>
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<th>Admin. Unit</th>
<th>Acad. Year</th>
<th>FICE Code</th>
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</table>

Approval recommended by:
George R Welch
Department Head or Program Chair (Type Name & Sign) Date

Chair, College Review Committee Date
Dean of College Date
Chair, GC of UCE Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu.
Physics 328: Experimental Physics 2 — Spring 2015

Course description: Laboratory experiments in modern physics and physical optics with an introduction to current, state-of-the-art recording techniques.

Prerequisites: PHYS 225; PHYS 309; PHYS 327.

Learning outcomes: Students will be able apply tools and techniques learned in the advanced laboratory. Students will be able to perform statistical analysis. Students will be able to present their results in writing and oral formats. Each student will choose one of the experiments to produce a formal paper written in the style of a PRL paper, as well as a presentation in the style of an APS talk. Students will be provided with example papers and talks and given feedback on initial drafts.

Instructor: Dr. Rupak Mahapatra, MIST 417, Phone: 229-4196. Email: mahapatra@physics.tamu.edu

Office Hours: TBA

Text: Experiments in Modern Physics, by Melissinos and Napolitano (optional).

Laboratory Notebook: Computation Book, Ampad #22-157. This exact model is absolutely required. No substitutions.

Grade Assignment:

- A: $90\% \leq \text{total} < 100\%
- B: $80\% \leq \text{total} < 90\%
- C: $70\% \leq \text{total} < 80\%
- D: $60\% \leq \text{total} < 70\%
- F: \text{total} < 60\%

Course Topics and Calendar:

There will be 4 labs to be completed. Students will rotate through the labs, doing one each week. Lab notebooks will be due two days after the lab. Monday labs will be due on Wednesday, and Wednesday labs will be due on Friday. Notebooks will be returned before the next lab, with written feedback and grades.

Poster presentations will be done, as a group, towards the end of the semester. The final draft of the formal written paper will be due the last week of the class.

Approximate schedule:

<table>
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<tr>
<th>Week of</th>
<th>Activity</th>
<th>Percent Grade</th>
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</thead>
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<tr>
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</tr>
<tr>
<td>April 6</td>
<td>Lab 2</td>
<td>3%</td>
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<tr>
<td>April 13</td>
<td>Lab 3</td>
<td>3%</td>
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<tr>
<td>April 20</td>
<td>Lab 4</td>
<td>3%</td>
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<tr>
<td>April 27</td>
<td>Poster Presentation</td>
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<td>May 4</td>
<td>Final Paper Due</td>
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<tr>
<td>May 4</td>
<td>Exam</td>
<td>20%</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>100%</td>
</tr>
</tbody>
</table>
Attendance and Make-up Policy Students will need to have an attendance of at least 70% of the classes to pass the course. Students will be allowed to make up labs, for university approved excuses (http://student-rules.tamu.edu/rule07).

ADA statement:
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Department of Student Life, Services for Students with Disabilities, in Room B118 of Cain Hall, 979-845-1637.

Academic integrity statement:
The Aggie Honor Code is "An Aggie does not lie, cheat, or steal or tolerate those who do." For more information, refer to the Honor Council Rules and Procedures on the web at http://aggiehonor.tamu.edu/.

The Executive Committee of the Faculty Senate recommends that instructors, particularly of lectures and labs at the freshman and sophomore levels, should include the following paragraphs in their first-day handout materials:

The handouts used in this course are copyrighted. By “handouts,” I mean all materials generated for this class, which include but are not limited to syllabi, quizzes, exams, lab problems, in-class materials, review sheets, and additional problem sets. Because these materials are copyrighted, you do not have the right to copy the handouts, unless I expressly grant permission.

As commonly defined, plagiarism consists of passing off as one’s own the ideas, words, writings, etc., which belong to another. In accordance with this definition, you are committing plagiarism if you copy the work of another person and turn it in as your own, even if you should have the permission of that person. Plagiarism is one of the worst academic sins, for the plagiarist destroys the trust among colleagues without which research cannot be safely communicated.

If you have any questions regarding plagiarism, please consult the latest issue of the Texas A&M University Student Rules, under the section “Scholastic Dishonesty.”
Texas A&M University
Departmental Request for a New Course
Undergraduate ♦ Graduate ♦ Professional
Submit original form and attach a course syllabus.

Form Instructions
1. Course request type: ☑ Undergraduate ☐ Graduate ☐ First Professional (DNS, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name): Department of Physics and Astronomy
3. Course prefix, number and complete title of course: PHYS 416 Physics of the Solid State
4. Catalog course description (not to exceed 50 words):
   A survey of solid state physics; an introduction to crystal structures and the physics of electrons, lattice vibrations and photons; applications to semiconductors; magnetism; superconductivity; physics of nanostructures; brief introduction to selected current topics in condensed matter physics

5. Prerequisite(s):
   PHYS 412 (quantum mechanics) and PHYS 304 (electricity and magnetism)
   Cross-listed with: 
   Stacked with: 
   Cross-listed courses require the signature of both department heads.

6. Is this a variable credit course? ☐ Yes ☑ No If yes, from _____ to _____
7. Is this a repeatable course? ☑ Yes ☐ No If yes, this course may be taken _____ times.
   Will this course be repeated within the same semester? ☐ Yes ☑ No
8. Will this course be submitted to the Core Curriculum Council? ☑ Yes ☐ No
9. How will this course be graded?: ☑ Grade ☐ S/U ☐ P/F (CLMD)
10. This course will be:
    a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)
    b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)
   BA physics, BS physics

11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.
12. ☑ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-control-basics-for-distance-education).

13. Prefix Course # Title (excluding punctuation)
    PHYS 416 PHYSICS OF THE SOLID STATE

    | Lect. | Lab | Other | SCH | CIP and Fund Code | Admin. Unit | Acad. Year | FICE Code |
    |-------|-----|-------|-----|-------------------|-------------|------------|-----------|
    | 3.00  | 0.00| 0.00  | 3.00| 4008010002        | 2304        | 16 - 17    | 0 0 3 6 3 2 |

Approval recommended by: George R Welch
Department Head or Program Chair (Type Name & Sign) Date 11/2/15

Chair, College Review Committee Date 11-15

Dean of College Date 11-15

Submitted to Coordinating Board by:
Associate Director, Curricular Services

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu.
Curricular Services – 07/14

RECEIVED
CURRICULAR SERVICES
NOV 12 2015
PHYS 416, Physics of the Solid State  
Fall, 2015 Syllabus  
Texas A&M University

This course will include a survey of solid state physics, including an introduction to crystal structures and the physics of electrons, lattice vibrations and phonons, applications to semiconductors, magnetism, superconductivity, and the physics of nanostructures, as well as a brief introduction to selected current topics in condensed matter physics.

Learning Outcomes: Students in this course will
1. Explain the relationships between chemical bonding and crystal structure.
2. Describe basic crystal structures and explain how they are represented mathematically.
3. Explain reciprocal space descriptions of periodic structures and Brillouin Zones.
4. Describe and explain the basic physics behind electronic band structures and phonon dispersion curves in simple crystalline materials.
5. Identify the underlying physical principles of more sophisticated modern electronic structure methods and electronic transport phenomena.
6. Differentiate the properties of the most important semiconductor materials and explain how these properties apply to electronic applications.
7. Analyze the materials properties affecting superconductivity, magnetism, and other selected topics in current condensed matter physics and demonstrate fluency with the language encountered in condensed matter and materials physics research.

Classes: TR 2:20-3:35

Instructor: J. H. Ross, email: ross@physics.tamu.edu  
Office: 448 MPHY. Lab: B03 ENPH (845-7823)  
Office hours: TBA

Additional materials will be provided in class to supplement the readings in the text.  

Prerequisites: PHYS 412 (Quantum Mechanics) and PHYS 304 (Electricity & Magnetism) or equivalents.

Grading:  
Homework (most weeks) 30%  
Exam 1 20%  
Final Exam 25%  
Final paper/presentation 25%

Assignment of final grades according to point totals calculated using the percentages above will follow the scale, 80-100 A, 70-80 B, 55-70 C, 45-55 D, <45 F.

See http://student-rules.tamu.edu/rule07 for information on University-excused absences.

Exams: Will be open book and open notes. First exam will be in class and similar to homework. Final exam on the standard scheduled date during finals time.
**Final paper/presentation:** You will be asked to pick a topic based on current research in or applications of solid state physics. I will provide suggestions and work with you to choose a topic by the beginning of November. A short paper on this topic (length 5-10 pages, single spaced) should include at least 3 references to different sources (not including your text!). 2 references should be from current scientific literature. Also you will be asked to give a short presentation (30 minutes) of this topic to your colleagues in class. Papers will be due on the last day of class, but note that you may be asked to present your results the week before that.

**Expected schedule of classes and sections covered in Kittel text:**

<table>
<thead>
<tr>
<th>Week</th>
<th>Dates</th>
<th>Topics</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>8-31 to 9-4</td>
<td>Overview; crystals, forces, symmetry.</td>
</tr>
<tr>
<td>2</td>
<td>9-7 to 9-11</td>
<td>Crystal classification and symmetry.</td>
</tr>
<tr>
<td>3</td>
<td>9-14 to 9-18</td>
<td>Crystal symmetry continued; reciprocal lattice, diffraction.</td>
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<tr>
<td>4</td>
<td>9-21 to 9-25</td>
<td>Lattice vibrations, classical normal modes.</td>
</tr>
<tr>
<td>5</td>
<td>9-28 to 10-2</td>
<td>Lattice vibrations, phonons, thermal properties.</td>
</tr>
<tr>
<td>6</td>
<td>10-5 to 10-9</td>
<td>Free-electron model of metals.</td>
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<tr>
<td></td>
<td>10-12 to 10-16</td>
<td>Electrons in metals; resistivity and transport.</td>
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<tr>
<td></td>
<td>10-19 to 10-23</td>
<td>Electron bandstructures.</td>
</tr>
<tr>
<td></td>
<td>10-26 to 10-30</td>
<td>Semiconductors: overview and electronic properties.</td>
</tr>
<tr>
<td></td>
<td>11-2 to 11-6</td>
<td>Semiconductors: defects, donors and acceptors.</td>
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<tr>
<td></td>
<td>11-9 to 11-13</td>
<td>Semiconductor device physics.</td>
</tr>
<tr>
<td></td>
<td>11-16 to 11-20</td>
<td>Magnetism, superconductivity.</td>
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<tr>
<td></td>
<td>11-23 to 11-24</td>
<td>Superconductivity continued.</td>
</tr>
<tr>
<td>14</td>
<td>11-30 to 12-4</td>
<td>Selected current topics + presentations.</td>
</tr>
<tr>
<td>15</td>
<td>12-7 to 12-9</td>
<td>Continuation and review</td>
</tr>
<tr>
<td></td>
<td>13</td>
<td>Final Exam, time/date TBA</td>
</tr>
</tbody>
</table>

**ADA statement:** The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information, visit [http://disability.tamu.edu](http://disability.tamu.edu).

**Academic honesty:** You should also know the Aggie Honor Code: “An Aggie does not lie, cheat, or steal or tolerate those who do.” and consult the Honor Council Rules and Procedures on the web, [http://www.tamu.edu/aggiehonor](http://www.tamu.edu/aggiehonor).
Texas A&M University
Departmental Request for a New Course
Undergraduate  •  Graduate  •  Professional
• Submit original form and attach a course syllabus.

Form Instructions:
1. Course request type:
   - [ ] Undergraduate
   - [ ] Graduate
   - [ ] First Professional (DENT, M.D., J.D., Ph.D., DVM)

2. Request submitted by (Department or Program Name):
   - Department of Psychology

3. Course prefix, number and complete title of course:
   - PSYC 350 Science of Mind & Brain

4. Catalog course description (not to exceed 50 words):
   - Research in cognitive neuroscience; methodological advances that enable the study of the human brain safely in the laboratory; complex aspects of the mind like emotion, social behavior, and consciousness.

5. Prerequisite(s):
   - Junior or senior classification
   - Cross-listed with: NREC 350
   - Stacked with:

   Cross-listed courses require the signature of both department heads.

6. Is this a variable credit course?
   - [ ] Yes
   - [X] No
   - If yes, from _______ to _______

7. Is this a repeatable course?
   - [ ] Yes
   - [X] No
   - If yes, this course may be taken ______ times.

   Will this course be repeated within the same semester?
   - [ ] Yes
   - [X] No

8. Will this course be submitted to the Core Curriculum Council?
   - [X] Yes
   - [ ] No

9. How will this course be graded?
   - [X] Grade
   - [ ] S/U
   - [ ] P/F (CLAS)

10. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)

   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

   B.A., B.S. in Psychology, Minor in Neuroscience

11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

12. [X] I verify that I have reviewed the FAQ for Export Controls Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

13. Prefix  Course #  Title (excluding punctuation)
    PSYC  350  Science of Mind & Brain

    Lect.  Lab  Other  SCH  CIP and Fund Code  Admin. Unit  Acad. Year  FICE Code
    3.00  0.00  0.00  3.00  2615010002  2380  16  17  0  0  3  2

    Approval recommended by:
    - Doug Woods
    - Jane Welsh

    Department Head or Program Chair (Type Name & Sign) Date

    Submitted to Coordinating Board by:
    Chair, GC or UCC Date

    Associate Director, Curricular Services

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 07/14
PSYC/NRSC 350 Science of Mind & Brain
Spring 2017 MWF 3-3:50PM
Room: Psychology Building 336

Course description
Research in cognitive neuroscience; methodological advances that enable the study of the human brain safely in the laboratory; complex aspects of the mind like emotion, social behavior, and consciousness.
Prerequisites: Junior or senior standing

Course overview
This course is an introduction to the field of cognitive neuroscience. Cognitive neuroscience combines cognitive psychology and cognitive science with biology and neuroscience. It has emerged as a distinct enterprise only recently and has been driven by methodological advances that enable the study of the human brain safely in the laboratory. Early on, cognitive neuroscience sought to understand well understood aspects of cognition like memory and attention. More recently, cognitive neuroscience has sought to understand complex aspects of the mind like emotion, social behavior, and consciousness.

Learning outcomes
By the end of this course, students should be able to:
- Analyze the major methods used for imaging the brain.
- Critically evaluate the use of brain imaging in popular science.
- Describe how the mind and brain control behavior, from actions, emotion, and complex decisions.
- Describe how damage to even small parts of the brain can lead to complex and damaging changes to behavior.

Instructor information
Joseph M. Orr, Ph.D.
Assistant Professor of Psychology
Psychology Building Room 291
Office Hours: Tues 12-1p and Thurs 11-12p or by appointment.
Email: joseph.orr@tamu.edu
Phone: tbd (email greatly preferred)

Textbook and/or resource materials
Other papers and videos will be posted to the course website on ecampus.

Course website
The syllabus, study guides, readings, and test grades will be posted on ecampus (http://ecampus.tamu.edu).

Course Requirements
1) Exams: (95 points) There will be three exams throughout the semester, two mid-term exams and a comprehensive final exam. The two mid-term exams are each worth 25% of your final grade. The final exam is worth 45% of your final grade. The final exam will cover material presented in the whole semester, but will contain more material from the final 1/3 of the course. The final exam will occur on the scheduled final exam date (Monday May 9th, 10:30am - 12:30pm). If you have three final exam scheduled in the same day you must request rescheduling through the dean, but you should let me know ASAP (see
Exams will be multiple-choice and short answer/free response and will cover material presented in class and in required readings listed below. All exams will start promptly at the beginning of class and you will not be allowed to take the exam if you arrive more than 20 minutes late or after the first person to finish leaves the classroom, whichever happens first. Make up exams require the appropriate documentation of a University-approved absence (see section on absences below) and will consist of multiple-choice and short-answer questions. Make up exams for the two midterms must occur within a week from the last day of the excused absence period. A make-up exam for the final must occur during office hours before the end of the semester. If you believe that an item on a test was incorrectly counted wrong, you have a week from the time that grades are posted to protest your grade. To protest a grade, you should send me a thoughtful written response regarding why you think your answer should be counted as correct.

For each exam, you will need to bring a gray scantron form (8 ½ X 11”) and a #2 pencil. Grades will be posted as soon as possible on ecampus (http://ecampus.tamu.edu/).

2) Participation: (5 points) You will learn the most by actively participating in class discussions and by asking questions when you do not understand something. In fact, many cognitive psychology studies demonstrate that actively engaging in discussion of to-be-learned material can dramatically improve your ability to remember the material. So, speak up and participate whenever you can! If you do not feel comfortable speaking in class I will also consider your participation via email, the course website, and office hours.

Grading scale
A = 90-100
B = 80-89
C = 70-79
D = 60-69
F = below 60

Course Policies
Attendance: It will be very difficult for you to do well in this course if you do not attend class regularly. My lectures will often go into greater detail than that provided by the text, and will include applications of the topic. My expectation is that you will be reading the textbook prior to coming to class. In addition, your overall learning experience will be greatly enhanced if you keep up with the assigned readings. Please note that you will be tested on materials from class and from your readings. 5 percent of your grade will be based on discussion participation. You can’t participate if you are not in class!

Absences: “Except in the case of the observance of a religious holiday, to be excused [for an absence] the student must notify the instructor in writing (acknowledged e-mail message is acceptable) prior to the date of absence if such notification is feasible. In cases where advance notification is not feasible (e.g., accident, or emergency) the student must provide notification by the end of the second working day after the [final day of their] absence. This notification should include an explanation of why notice could not be sent prior to the class. Accommodations sought for absences due to the observance of a religious holiday can be sought either prior or after the absence, but not later than two working days after the absence. If needed, the student must provide additional documentation substantiating the reason for the absence that is satisfactory to the instructor, within one week of the last date of the absence.” See http://student-rules.tamu.edu/rule07

Classroom environment: 1. Please be on time; late-comers are frowned upon. This is a small class and late arrivals will be disruptive. 2. Don’t pack up your belongings early; I promise to end class promptly at 3:50p. Again, with the small class size, arrivals/ departures will be disruptive. If you anticipate having to leave class early, as a courtesy
me and your fellow classmates, please let me know before class begins. 3. Unless you are expecting an emergency phone call, please turn off cell phones and other devices that might disturb class. Any use of an electronic communication device without instructor permission during an exam could result in a failing grade for the course.

**Academic Integrity Statement and Policy:** “An Aggie does not lie, cheat or steal, or tolerate those who do.”
[http://aggiehonor.tamu.edu/](http://aggiehonor.tamu.edu/) Any suspected violations will be reported to the Aggie Honor System Office.

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**Diversity Statement**
Respect for cultural and human biological diversity are core concepts of Psychology. In this course, each voice in the classroom has something of value to contribute to class discussion. Please respect the different experiences, beliefs and values expressed by your fellow students and instructor, and refrain from derogatory comments about other individuals, cultures, groups, or viewpoints. The Psychology Department supports the Texas A&M University commitment to Diversity, and welcomes individuals of all ages, backgrounds, citizenships, disabilities, education, ethnicities, family statuses, genders, gender identities, geographical locations, languages, military experience, political views, races, religions, sexual orientations, socioeconomic statuses, and work experiences (See [http://diversity.tamu.edu](http://diversity.tamu.edu)).

**Schedule of topics and assignments**

<table>
<thead>
<tr>
<th>Week</th>
<th>Lecture Topics &amp; Objectives</th>
<th>Reading/Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Course Overview/Syllabus Review</td>
<td></td>
</tr>
<tr>
<td></td>
<td>What is cognitive neuroscience?</td>
<td>Ch 1</td>
</tr>
<tr>
<td></td>
<td>Basic brain anatomy</td>
<td>Ch 2</td>
</tr>
<tr>
<td>2</td>
<td>How is the brain organized? Brain regions and systems</td>
<td>O'Reilly, TINS</td>
</tr>
<tr>
<td></td>
<td>Evolution of the brain - What makes humans human?</td>
<td>Gazzaniga, Ch 1</td>
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<tr>
<td></td>
<td>Electrophysiology of the brain - Animal and human methods</td>
<td>Ch 3</td>
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<tr>
<td>3</td>
<td>Brain imaging - Animal and human methods</td>
<td>Ch 4</td>
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<td></td>
<td>Brain imaging interactive session</td>
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<td></td>
<td>Neuropsychology: Lesions and brain stimulation</td>
<td>Ch 5</td>
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<tr>
<td>4</td>
<td>The plastic brain</td>
<td>Gazzaniga, Ch 2</td>
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<tr>
<td></td>
<td>Cognitive neuroscience study design</td>
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<td></td>
<td><strong>Exam 1</strong></td>
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<tr>
<td>5</td>
<td>Basic vision - How does the brain see?</td>
<td>Ch 6</td>
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<tr>
<td></td>
<td>Ventral visual pathway - What do I see?</td>
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<tr>
<td></td>
<td>Dorsal visual pathway - Understanding the where of the world</td>
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<td>6</td>
<td>The auditory system - Music to my ears brain</td>
<td>Ch 10</td>
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<tr>
<td></td>
<td>The speaking brain</td>
<td>Ch 11</td>
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<tr>
<td></td>
<td>The reading brain</td>
<td>Ch 12</td>
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<tr>
<td>7</td>
<td>Bottom-up attention - How is our attention captured?</td>
<td>Ch 7</td>
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<tr>
<td></td>
<td>Top-down attention - How do we pay attention?</td>
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<td></td>
<td>Spatial neglect - Examples from neuropsychology</td>
<td>Gazzaniga Ch 3 Excerpts</td>
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<tr>
<td>8</td>
<td>ADHD and reading disorders</td>
<td>Ch 13</td>
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<tr>
<td></td>
<td>Numerical processing: 2 ÷ 2 = ?</td>
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<td></td>
<td>Motor system: Brain to Limb</td>
<td>Ch 8</td>
</tr>
<tr>
<td>9</td>
<td>Voluntary control of action</td>
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<tr>
<td></td>
<td><strong>Exam 2</strong></td>
<td></td>
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<td></td>
<td><strong>Skill acquisition: T-ball to Pro Ball</strong></td>
<td></td>
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<tr>
<td>10</td>
<td><strong>Exam Review and Mid-term synopsis</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>The hippocampus remembers: Insights from neurosurgery</td>
<td>Gazzaniga Ch 46</td>
</tr>
<tr>
<td></td>
<td>Long-term memory: Storage and retrieval of memories</td>
<td>Ch 9</td>
</tr>
<tr>
<td>11</td>
<td><strong>Working-memory: RAM of the brain</strong></td>
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<tr>
<td></td>
<td>The prefrontal cortex as the CPU of the brain</td>
<td>Ch 14</td>
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<tr>
<td></td>
<td>Flexible control of behavior</td>
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<tr>
<td>12</td>
<td><strong>Multitasking: A myth?</strong></td>
<td></td>
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<tr>
<td></td>
<td>Reasoning</td>
<td>Monsell paper</td>
</tr>
<tr>
<td></td>
<td>Decision Making</td>
<td>Gazzaniga Ch 69</td>
</tr>
<tr>
<td>13</td>
<td><strong>Reward processing: Sex, drugs, and rock n roll</strong></td>
<td>Wallis paper</td>
</tr>
<tr>
<td></td>
<td>Social processing - Who am I? Who are you?</td>
<td>Ch 15</td>
</tr>
<tr>
<td></td>
<td>Emotion in the brain</td>
<td></td>
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<tr>
<td>14</td>
<td><strong>Consciousness</strong></td>
<td></td>
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<tr>
<td></td>
<td>The developing and aging brain</td>
<td>Gazzaniga Excerpts</td>
</tr>
<tr>
<td></td>
<td>Student choice: Brain training, brain disorders, neuroscience in the media</td>
<td>Ch 16</td>
</tr>
<tr>
<td><strong>FINAL EXAM</strong></td>
<td>See final exam schedule (<a href="http://registrar.tamu.edu/Courses,-Registration,-Scheduling/Final-Exam-Schedule">http://registrar.tamu.edu/Courses,-Registration,-Scheduling/Final-Exam-Schedule</a>)</td>
<td>Final Exam</td>
</tr>
</tbody>
</table>
Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional

Form Instructions
1. Course request type: ☑ Undergraduate ☐ Graduate ☐ First Professional (DDS, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name): Hispanic Studies
3. Course prefix, number and complete title of course: SPAN 208 Spanish for Health Professionals I
4. Catalog course description (no to exceed 50 words): First half of a two-semester course sequence for intermediate level Spanish students interested in careers in the health professions; presentation and practice of the most important basic communication functions in patient-provider interaction.

5. Prerequisite(s): SPAN 102, or placement by exam
   Cross-listed with: 
   Stacked with:
   Cross-listed courses require the signature of both department heads.

6. Is this a variable credit course? ☑ Yes ☐ No If yes, from _____ to _____
7. Is this a repeatable course? ☑ Yes ☐ No If yes, this course may be taken _____ times.
   Will this course be repeated within the same semester? ☑ Yes ☐ No
8. Will this course be submitted to the Core Curriculum Council? ☑ Yes ☐ No
9. How will this course be graded: ☑ Grade ☐ S/U ☐ P/F (CLMD)
10. This course will be:
    a. required for students enrolled in the following degree programs(s) (e.g., B.A. in history)
       SPAN 208 may be used as part of all degree plans in our department (a course at this level is required for all Spanish majors and departmental minors).
    b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)
       Spanish majors, liberal arts majors taking Spanish as part of their foreign language requirement.
11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.
12. ☑ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).
13. Prefix Course # Title (excluding punctuation)
   | SPAN | 208 | SPAN FOR HEALTH I |
   | Lec. | Lab | Other | SCH | CIP and Fund Code | Admin. Unit | Acad. | Year | FICE Code |
   | 3.00 | 0.00 | 0.00 | 3.00 | 1000010001 | 1147 | 16 | - | 17 | 0 | 0 | 3 | 6 | 3 | 2 |
   Approval recommended by:
   Maria Irene Moya
   Department Head or Program Chair (Type Name & Sign) Date
   Chair, College Review Committee Date
   Dean of College Date
   Chair, GC or UCC Date
   Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu.
Curricular Services – 07/14
SPAN 208: Spanish for Health Professionals (I)
Spring 2016

Instructor: N. Arizpe
Class meetings: Tue/Thurs, 8:00am-9:15am, 228 Academic Bldg.
Office: 129 A Academic Bldg.
Office hours: 11:00am-12:00pm, TR., or by appt.
Email address: n-arizpe@tamu.edu

Course Description
Spanish for the Health Professionals I is the first half of a two-semester course sequence for intermediate level Spanish students interested in careers in the health professions that involves presentation and practice of the most important basic communication functions in patient-provider interaction. Students will practice the Spanish sound system, grammar, vocabulary, and cultural lessons necessary to communicate and interact well with the Hispanic patient. SPAN 208 is equivalent to SPAN 201. 3 credit hours.

Prerequisites
SPAN 102, or placement exam

Methodology
This course stresses communication skills in Spanish. Every effort will be made to make this class student-centered. To help students succeed in this course, the class will engage in a variety of activities and assignments, including but not limited to activities such as the following:

- Practice and communication using vocabulary and grammar learned in oral and written modes
- Sociolinguistic practice and functions through communicative activities
- Authentic reading activities and exercises, such as pre- and post-reading
- Writing activities ranging from charting the vocabulary of the anatomy to writing dialogues for role-playing
- Integration of skills in projects and tasks
- Video/audio/computer exercises, presentation, and discussions

Learning Outcomes
By the end of the semester, students will:
1. Communicate effectively in most general interactions in a medical setting.
2. Express their ideas effectively in Spanish using appropriate level vocabulary and grammar structures.
3. Demonstrate an understanding of basic medical terminology in context.
4. Articulate the health concerns of the Latino patient.
5. Recognize, discern and analyze cultural signs that distinguish the attitude, expectations and points of view of Hispanic patients living in the United States regarding medical emergencies, illness, medical treatments and interpersonal interactions with the health professional.

**Required texts**

**Optional and very useful**
Spanish/English, English/Spanish online translator: [www.wordreference.com](http://www.wordreference.com)
Online medical terminology dictionary: [www.medicalspanish.com](http://www.medicalspanish.com)

**Lab online: MySpanishLab – optional.** You may use these exercises to help you if you feel you need to use them. If you use this program:
1) You need an Access Code to get started.
2) On your PC check MySpanishLab tune-up for browser specifications.
3) Perform the MySpanishLab browser tune-up immediately, and any time you start to experience problems. Any other technological problems with MySpanishLab should be handled by contacting their tech support at the first sign of trouble. If you have any questions or issues registering for your course, please go to: [http://247pearsoned.custhelp.com](http://247pearsoned.custhelp.com). Click CHAT on the top toolbar. Fill in the form and click, SUBMIT. An IM box will open and a technical support assistant will be able to help you with your specific issue.

**Need help once you are enrolled in your instructor’s course?** Once you are logged into your MySpanishLab course and have any questions or issues, please click on the SUPPORT link in the upper right hand corner of your course. If you need extra practice with the grammar, set aside specific times each week and work on the online activities.

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Upon accepting admission to Texas A&M University, a student immediately assumes a commitment to uphold the Honor Code, to accept responsibility for learning, and to follow the philosophy and rules of the Honor System. Students may be required to state their
commitment on examinations, research papers, and other academic work. Ignorance of the rules does not exclude any member of the TAMU community from the requirements or the processes of the Honor System. For additional information, please visit: http://aggiehonor.tamu.edu/.

Grading Scale
Grades will be assigned on the basis of the following scale:

<table>
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<td>F</td>
<td>0-59%</td>
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Assessment
Pre-Assessment of Oral Skills (not graded) in my office (129 A Academic Bldg.)........ 0%
Active Participation.................................................................10%
Exams (3)..................................................................................30%
Role-playing.................................................................................30%
Post-Assessment of Oral Skills in my office..................................10%
Final Oral Presentation...............................................................20%

Pre-Assessment of Oral Skills
At the beginning of the semester, each student will have an appointment with the instructor to assess his/her Spanish oral skills. There will be no assigned grade for this activity.

Active Participation
Active Participation means not only your physical presence in the classroom, but also your active contribution to the class and interaction with the instructor and classmates. It is especially important to be consistently prepared for and actively involved in the class meetings. Your instructor will use these meetings to review important concepts and practice speaking in Spanish. For this reason, it is important that you read the assigned pages before coming to class meetings. Your instructor will grade your participation and preparedness for class.

Exams
There will be 3 exams, each worth 10% of the total course grade. Each exam will cover the grammar, vocabulary, and cultural lessons studied.

Role-playing
Because effective oral communication is one of the primary goals of the Spanish for Health Professionals course sequence, there will be six communicative speaking tasks to assess your progress. Six times during the semester you will prepare and present dialogues/ conversations that will help you practice sentence structure and develop your thinking in Spanish. These role-playing activities re-create common health professional and patient situations. The topics will be varied, but always with the goal of learning to communicate well with the Hispanic patient. There will be one for each chapter and the one with the lowest grade will be dropped. Each speaking activity will be assessed on the thoroughness and effort evident in the completion of the task.
Post Oral Skills Assessment
At the end of the semester, each student will have an appointment with the instructor and will be asked questions regarding the structures, vocabulary, and cultural lessons studied. For example, one question will be to greet a patient and ask how s/he is, ask what symptoms s/he has, and then end the appointment. Another question might be: How do you instill trust with a Hispanic patient at the onset of the appointment?

Final Oral Presentation
At the end of the semester, the students are to make an oral presentation in Spanish. The topic will be chosen by the students and will be health-related, with a focus on the Hispanic patient/client. For example, it could be informative about a specific illness or culturally pertinent as it relates to Hispanic health issues, or it could be a group presentation such as an appointment with a patient that incorporates the lessons learned during the semester.

Attendance
Each university-unauthorized absence beyond three will result in a 3% reduction of your final grade PER ABSENCE. Also, without a university-authorized excuse, (1) tardiness or leaving class early will be counted as ½ of an absence, and (2) arriving more than 15 minutes late will be counted as an absence. Please familiarize yourself with TAMU attendance policies [See http://student-rules.tamu.edu/rule07].

Make-ups and late-work policy
NO make-ups will be permitted for work missed due to unexcused absences. NO late work will be accepted unless there is a university-approved excuse in writing.

Help
Instructor office hours are listed above and you are encouraged to seek help if you are having trouble with any assignment. Beyond consultation with your instructor, help is also available in the Language Support Office (LSO) in ACAD 124. You are encourage to visit the LSO to consult language problems you may be having, to practice with material from ¡Salud!, or to practice with the LSO staff.

Additional information
- Arrive on time.
- Come prepared and ready to participate for every class meeting.
- Use only Spanish in class.
- Use a No. 2 pencil with a good eraser for all work done in class. All work should be neat and professional when turned in. Write legibly.
- Please turn-off your cell phone when you enter the classroom.
Overview of course outline

| Activities: on syllabus and given in class |
| Chapter 1 Greeting the Patient |
| Chapter 2 Making Appointments |
| Chapter 3 Discussing How Patients Feel |
| Chapter 4 The Daily Routine |
| Chapter 5 “Where Does it Hurt?” |
| Chapter 6 Talking about Doubts and Fears |

Course Schedule

The following course schedule is tentative and may change according to the needs of the class. For example, a lesson may not end on the stated day, but continue to the next class meeting. Please be aware of any changes to the syllabus.

You are to read and prepare the assigned pages before each class meeting begins.

19 Jan. Introducción + Capítulo 1: ¡Salud!: Greeting the Patient
Sección 1.1 Introducción: Getting Started, pp. 1-2
Sección 1.2 Estructura: Greetings, Introductions, and Farewells, pp. 2-5
Cultura: Names in Spanish-Speaking Countries, pp. 6-7
Cultura: People’s Titles, pp. 7-8

21 Jan.
Sección 1.3 Estructura: Nouns, Number, Gender, and Articles, pp. 8-13
Sección 1.4 Estructura: Numbers 1-100 and the Spanish Alphabet, pp. 13-1
Sección 1.5 Estructura: Subject Pronouns and the Verb Ser, pp. 16-20
Cultura: The Terms Latino, Hispanic, Latin American, and American, pp. 21-22

26 Jan.
Cultura: The Latino Patient, chapter 1- Who are the Latinos?
Cultura: The Latino Patient, chapter 2
Sección 1.6 Estructura: ¿Qué tiempo hace? Talking about the Weather, pp. 22-23;
Sección 1.7 Estructura: Three Important Verbs, How to Say “There is...”/“There are...”, pp. 23-25
Sección 1.7 Estructura: Three Important Verbs, How to Say, “I like...” in Spanish, pp. 25-27
¿Cómo se siente?, pp. 28-29

28 Jan.
Sección 1.8 Nota lingüística: Cognates and False Cognates, pp. 29-30
Role-playing #1
Cap. 2: ¡Salud! Making appointments
Sección 2.1 Introducción, pp. 23-34
Sección 2.2 Vocabulario: La familia, pp. 34-35
Sección 2.3 Estructura: Expressing Possession in Spanish, pp. 36-40

2 Feb.
Culture: *The Latino Patient* – chapter 3
Sección 2.4 Estructura: Telling Time in Spanish, pp. 40-43
Sección 2.5 Vocabulario: Numbers Above 100, pp. 43-44
Cultura: *The Latino Patient*, chapter 3
Sección 2.5 Vocabulario: Days of the Week, Months, and Years, pp. 44-46

4 Feb.
Capítulo 2 ¡Salud!
¿Cuál es la fecha?: How to Say Dates in Spanish, pp. 46-47
Cultura: Nuestra Señora de Guadalupe, pp. 48-49
¿Cuál es su fecha de nacimiento?: How to Say Years in Spanish, pp. 49-50
Sección 2.6 Estructura: Regular Present-Tense Verbs, pp. 51-55
Sección 2.7 Estructura: Register, pp. 56-57
Sección 2.8 Estructura: Asking Questions in Spanish, pp. 57-61

9 Feb.
Culture: *The Latino Patient* – chapter 4
Sección 2.8 Estructura: How to Form Negatives, pp. 61-63
Sección 2.8 Estructura: “Estar”: The Other Verb To Be, pp. 63-65
Actividades comunicativas – Role-playing #2

11 Feb.
Examen de capítulos 1 y 2 + *The Latino Patient*, capítulos 1, 2, 3, 4

16 Feb.
Capítulo 3: ¡Salud! Discussing How Patients Feel
Sección 3.1 Introducción, p. 67
Sección 3.2 Estructura: Irregular Verbs, pp. 67-69
Sección 3.3 Estructura: Stem-Changing Verbs, pp. 69-75

18 Feb.
Cultura: *The Latino Patient* – chapter 5
Sección 3.4 Estructura: The Verb Ir; How to Talk About the Future, pp. 75-78
Sección 3.5 Estructura: “Saber” vs. “Conocer”, Two Ways to Say To Know, pp. 78-81

23 Feb.
Sección 3.6 Estructura: Adjectives and Adjectival Agreement, pp. 82-90
Sección 3.7 Estructura: The Contrast Between Ser and Estar, pp. 90-95
Sección 3.8 Estructura: Idioms Using Tener, pp. 95-97
Sección 3.9 Vocabulario: Talking on the Telephone in Spanish, pp. 97
Cultura: *The Latino Patient*, chapter 6

25 Feb.
Actividades comunicativas - Role-playing #3
Capítulo 4: ¡Salud! The Daily Routine
Sección 4.1 Introducción, p. 100
Sección 4.2 Estructura: Reflexive Verbs, pp. 100-109

1 Mar.
Capítulo 4 ¡Salud!
Sección 4.3 Estructura: Demonstrative Adjectives, pp. 109-112
Sección 4.4 Estructura: Direct Object Pronouns, pp. 112-116
Sección 4.5 Estructura: The Present Progressive, pp. 116-119
Sección 4.6 Estructura: Time Constructions Using Hace ..., que, pp. 120-121
Cultura: The Latino Patient, chapter 7

3 Mar. Sección 4.7 Vocabulario: Food and Diet, pp. 121-124
Sección 4.8 Nota Lingüística: Hay que and Other Special Expressions, pp. 124-128
Cultura: The Latino Patient, chapter 8

8 Mar. Actividades comunicativas - Role-playing #4

10 Mar. Examen de capítulos 3 y 4 + The Latino Patient – capítulos 5, 6, 7

***14-18 Mar.: Spring Break***

Sección 5.1 Introducción, p. 130
Sección 5.2 Vocabulario: Parts of the Body, pp. 130-133

Sección 5.4 Estructura: Verbs that Require and Indirect Object Pronoun, pp. 138-142
Sección 5.5 Estructura: Double Object Pronouns, pp. 142-146

29 Mar. Sección 5.6 Estructura: Formal Commands, pp. 146-151
Sección 5.7 Estructura: Adverbs, pp. 151-153
Cultura: The Latino Patient, chapter 9
Sección 5.8 Estructura: Comparisons and Superlatives, pp. 153-159

31 Mar. Actividades comunicativas - Role-playing #5

5 Apr. Capítulo 6: ¡Salud! Talking About Doubts and Fears
Sección 6.1 Introducción, p. 161

Cultura: The Spanish Language’s Debt to Arabic, pp. 180-181
Sección 6.4 Estructura: Familiar tú Commands, pp. 181-185

12 Apr. Sección 6.5 Vocabulario: La casa, pp. 185-187
Cultura: The Latino Patient, chapter 10
Sección 6.6 Estructura: Possessive Pronouns, pp. 188-191
Sección 6.7 Nota Lingüística, pp. 191-194
14 Apr.    Actividades comunicativas - *Role-playing #6*
19 Apr.    Examen de capítulos 5 y 6 + *The Latino Patient* – capítulos 9 y 10
21 Apr.    Presentaciones finales
26 Apr.    Presentaciones finales
28 Apr.    Presentaciones finales y último día de clases
3 May      “Redefined day, students attend their *Friday* classes”
October 14, 2015

MEMORANDUM

TO:        Jose Pablo Villalobos
           Director of Undergraduate Studies
           Department of Hispanic Studies

FROM:      Sharon A. Wilkerson, Ph.D., R.N., CNE, ANEF
           Dean and Professor
           Texas A&M Health Science Center, College of Nursing

SUBJECT:   Support for Medical Spanish Courses

I support the following Medical Spanish Courses:

- SPAN 208 Medica Spanish for Health Professionals I
- SPAN 218 Medica Spanish for Health Professionals II
- SPAN 318 Advanced Oral Communication for Health Professionals

We will recommend these course to our students as well as pre-nursing students as the content will be very helpful in the care of Spanish speaking patients. Thank you so much for contacting my office.
Villalobos, Jose P

From: Gorman, Dennis M. <Gorman@sph.tamhsc.edu>
Sent: Friday, October 02, 2015 1:33 PM
To: Villalobos, Jose P
Subject: Re: support for medical Spanish courses (Dept. of Hispanic Studies)

I think you would be better to have letters from the Medical School or, perhaps the new undergraduate program we have here. My department does not offer classes in related subject matter.

Dennis

From: <Villalobos>, Jose P <jvillalo@tamu.edu>
Date: Friday, October 2, 2015 1:27 PM
To: "Gorman, Dennis M." <Gorman@sph.tamhsc.edu>
Subject: support for medical Spanish courses (Dept. of Hispanic Studies)

Dear Dr. Gorman:

I am writing to you seeking support for three courses we are developing in the Department of Hispanic Studies (College of Liberal Arts) that relate to medical Spanish. As per the instructions for the proposal of new courses, the University requires appropriate letters of support from departments that teach in related subject areas and we are hopeful that your office will be supportive of our new courses.

The courses we are proposing are:

- SPAN 208 Medical Spanish for Health Professionals I
- SPAN 218 Medical Spanish for Health Professionals II
- SPAN 318 Advanced Oral Communication for Health Professionals

I am attaching the syllabi for these courses as they stand. Basically, the first two courses are at the intermediate level and mirror the level of our already existing SPAN 201 and 202 (3rd and 4th semester) courses but in a health-related context. The third course is solely focused on oral communication in a health-related setting at the advanced level.

We are still finalizing details (SPAN 318 being the one that requires more work), but for the most part we are close to submitting these to our dean’s office for the October 19th meeting of the Undergraduate Instruction Committee.

Please let me know if there are any concerns that I may address regarding this request. Thanks for your time, --José Villalobos

José Pablo Villalobos
Director of Undergraduate Studies
Department of Hispanic Studies
Hello Jose. None of our faculty teach any classes in our program that are remotely similar. You have our support for these classes.
Dr. Spengler

John O. Spengler, JD, PhD
Professor and Head
Department of Health Promotion & Community Health Sciences
School of Public Health
Texas A&M Health Sciences Center
College Station, TX

From: Villalobos, Jose P [mailto:jvillalo@tamu.edu]
Sent: Wednesday, October 21, 2015 8:45 AM
To: Spengler, John <spengler@sph.tamhsc.edu>
Subject: RE: requesting support for medical spanish courses (Dept. of Hispanic Studies)

Dear John:
Yes! We would greatly appreciate your department's support for these classes. We have one more meeting in November left in which we can propose new classes for the 2016-2017 catalog. Can you submit something to me by Nov. 2? Thanks you for your support! --José

From: Spengler, John [spengler@sph.tamhsc.edu]
Sent: Tuesday, October 20, 2015 2:55 PM
To: Villalobos, Jose P
Subject: RE: requesting support for medical spanish courses (Dept. of Hispanic Studies)

Hello Jose. I recently returned from several weeks of back to back travels and have found your email. I greatly apologize for the delay in responding. I can still look at this and respond if not too late. Just let me know.
Best,
J.O.

John O. Spengler, JD, PhD
Professor and Head
Department of Health Promotion & Community Health Sciences
School of Public Health
Texas A&M Health Sciences Center
College Station, TX
From: Villalobos, Jose P [mailto:JVillalo@tamu.edu]
Sent: Friday, October 02, 2015 1:26 PM
To: Spengler, John <spengler@sph.tamhsc.edu>
Subject: requesting support for medical spanish courses (Dept. of Hispanic Studies)

Dear Dr. Spengler:

I am writing to you seeking support for three courses we are developing in the Department of Hispanic Studies (College of Liberal Arts) that relate to medical Spanish. As per the instructions for the proposal of new courses, the University requires appropriate letters of support from departments that teach in related subject areas and we are hopeful that your office will be supportive of our new courses.

The courses we are proposing are:

- SPAN 208 Medical Spanish for Health Professionals I
- SPAN 218 Medical Spanish for Health Professionals II
- SPAN 318 Advanced Oral Communication for Health Professionals

I am attaching the syllabi for these courses as they stand. Basically, the first two courses are at the intermediate level and mirror the level of our already existing SPAN 201 and 202 (3rd and 4th semester) courses but in a health-related context. The third course is solely focused on oral communication in a health-related setting at the advanced level.

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Please let me know if there are any concerns that I may address regarding this request. Thanks for your time, --José Villalobos

José Pablo Villalobos
Director of Undergraduate Studies
Department of Hispanic Studies
DATE: 16 October 2015

TO: Jose Pablo Villalobos
   Director of Undergraduate Studies
   Department of Hispanic Studies

FROM: Mark E. Benden, CPE, Ph.D.
       Professor and Head, Department of Environmental and Occupational Health
       School of Public Health

SUBJECT: Department of Hispanic Studies Courses

Per your request, I have reviewed your proposal for the following proposed courses:

- SPAN 208 Medical Spanish for Health Professionals I
- SPAN 218 Medical Spanish for Health Professionals II

The TAMU School of Public Health does not have any equivalent courses which would conflict with SPAN 208 or SPAN 218. In addition, these efforts align with the Health South Texas program launched by the Texas A&M Health Science Center and AgriLife Extension Service. Thank you for being part of Public Health!
Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
• Submit original form and attach a course syllabus.

Form Instructions
1. Course request type: ☑ Undergraduate ☐ Graduate ☐ First Professional (D DDS, MD, JD, PharmD, DVM)

2. Request submitted by (Department or Program Name): Hispanic Studies

3. Course prefix, number and complete title of course: SPAN 218 Spanish for Health Professionals II

4. Catalog course description (not to exceed 50 words): Second half of a two-semester course sequence for intermediate level Spanish students interested in careers in the health professions; presentation and practice of the most important basic communication functions in patient-provider interaction.

5. Prerequisite(s): SPAN 208, SPAN 201, or placement by exam with approval of instructor

Cross-listed with: Stacked with:

Cross-listed courses require the signature of both department heads.

6. Is this a variable credit course? ☐ Yes ☑ No If yes, from _______ to _______

7. Is this a repeatable course? ☐ Yes ☑ No If yes, this course may be taken ______ times.

Will this course be repeated within the same semester? ☐ Yes ☑ No

8. Will this course be submitted to the Core Curriculum Council? ☐ Yes ☑ No

9. How will this course be graded: ☑ Grade ☐ S/U ☐ P/F (CLMD)

10. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)
   SPAN 218 may be used as part of all degree plans (majors, minors) plans in our department.
   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)
   Spanish majors; liberal arts majors taking Spanish as part of their foreign language requirement.

11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

12. ☐ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

13. Prefix Course # Title (excluding punctuation)
   SPAN 218 SPAN FOR HEALTH II

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Approval recommended by: Maria Irene Monya
Department Head or Program Chair (Type Name & Sign) Date

Department Head or Program Chair (Type Name & Sign)
(if cross-listed course)

Submitted to Coordinating Board by: Nancy Street
Chair, College Review Committee Date

Chair, GC or UCC Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu.
Curricular Services – 07/14

RECEIVED
CURRICULAR SERVICES

Nov 20, 2015
SPAN 218: Spanish for Health Professionals II  
Spring 2016

Instructor: Norma Arizpe  
Class meetings: TR: 9:35-10:50 a.m., 225 Academic Bldg.  
Office: 129 A Academic Bldg.  
Office hours: 11:00am-12:00pm, or by appt.  
Email address: n-arizpe@tamu.edu

Course Description
This course is a continuation of SPAN 208: Spanish for Health Professionals (I) and is the second half of a two-semester course sequence for intermediate level Spanish students interested in careers in the health professions that involves presentation and practice of the most important basic communication functions in patient-provider interaction. Students will further practice the Spanish sound system, grammar, vocabulary, and cultural lessons necessary to communicate and interact well with the Hispanic patient. SPAN 218 is equivalent to SPAN 202. 3 credit hours

Prerequisites
SPAN 208, SPAN 201, or placement exam with approval of instructor.

Methodology
This course stresses communication skills in Spanish. Every effort will be made to make this class student-centered. To help students succeed in this course, the class will engage in a variety of activities and assignments, including but not limited to activities such as the following:
- Practice and communication using vocabulary and grammar learned in oral and written modes
- Sociolinguistic practice and functions through communicative activities
- Reading activities and exercises, such as pre- and post-reading
- Writing activities ranging from charting the vocabulary of the anatomy to writing dialogues for role-playing
- Integration of skills in projects and tasks
- Video/audio/computer exercises, presentation, and discussions

Learning Outcomes
By the end of the semester, students will:
1. Communicate effectively in most general interactions in a medical setting.
2. Express their ideas effectively in Spanish using appropriate level vocabulary and grammar structures.
3. Demonstrate an understanding of medical terminology in context.
4. Articulate the health concerns of the Latino patient.

Required text
Useful but not required
Online medical terminology dictionary: www.medicalspanish.com (click on “Spanish Medical Dictionary”) Spanish/English, English/Spanish online translator: www.wordreference.com

Lab online: MySpanishLab – optional. You may use these exercises to help you if you fell you need to use them.
1) You need an Access Code to get started.
2) On your PC check MySpanishLab tune-up for browser specifications.
3) Perform the MySpanishLab browser tune-up immediately, and any time you start to experience problems. Any other technological problems with MySpanishLab should be handled by contacting their tech support at the first sign of trouble. If you have any questions or issues registering for your course, please go to: http://247pearsoned.custhelp.com. Click CHAT on the top toolbar. Fill in the form and click, SUBMIT. An IM box will open and a technical support assistant will be able to help you with your specific issue.

Need help once you are enrolled in your instructor’s course? Once you are logged into your MySpanishLab course and have any questions or issues, please click on the SUPPORT link in the upper right hand corner of your course. Set aside specific times each week to complete class activities.

Americans with Disabilities Act (ADA) Policy Statement
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information, visit http://disability.tamu.edu.

Academic Integrity Statement
“An Aggie does not lie, cheat, or steal or tolerate those who do.”
Upon accepting admission to Texas A&M University, a student immediately assumes a commitment to uphold the Honor Code, to accept responsibility for learning, and to follow the philosophy and rules of the Honor System. Students may be required to state their commitment on examinations, research papers, and other academic work. Ignorance of the rules does not exclude any member of the TAMU community from the requirements or the processes of the Honor System. For additional information, please visit: http://aggiehonor.tamu.edu/

Grading Scale
Grades will be assigned on the basis of the following scale:

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Assessment:
Active Participation ......................................................... 10%
Role-playing (6) ................................................................. 30%
Group Project-mid semester .................................................. 10%
Exams (3).............................................................................. 30%
Final Oral Presentation ....................................................... 20%

100%

Active Participation
Active Participation means not only your physical presence in the classroom, but also your active contribution to the class and interaction with the instructor and classmates. It is especially important to be consistently prepared for and actively involved in the class meetings. Your instructor will use these meetings to review important concepts and practice speaking in Spanish. For this reason, it is important that you complete all the online homework before coming to class meetings.

Role-playing
Because effective oral communication is one of the primary goals of the beginning Medical Spanish Course sequence, there will be six communicative speaking tasks to assess your progress toward this goal. Six times during the semester you will prepare and present dialogues/conversations that will help you practice sentence structure and develop your thinking in Spanish. These role-playing activities, each worth 5% of the total grade, re-create common health professional and patient situations. The topics will be varied, but always with the goal of learning to communicate well with the Hispanic patient. There will be one for each chapter and the one with the lowest grade will be dropped. Each speaking activity will be assessed on the thoroughness and effort evident in the completion of the task.

Group Project
At mid semester, the group project will consist of creating a health provider/patient realistic meeting. More particulars forthcoming.

Exams
There will be three exams, approximately every two chapters, each worth 10% of the total grade. Each exam will cover: the grammar, vocabulary, and cultural lessons studied.

Final Oral Presentation
At the end of the semester, the students are to make an oral presentation in Spanish. The topic will be chosen by the students and will be health related focusing on the Hispanic patient/client. For example, it could be informative about a specific illness or culturally pertinent as it relates to Hispanic health issues, or it could be a group presentation such as an appointment with a patient that incorporates the lessons learned during the semester.

Attendance
Each university-unauthorized absence beyond three will result in a 3% reduction of your final grade PER ABSENCE. Also, without a university-authorized excuse, (1) tardiness or leaving class early will be counted as ½ of an absence, and (2) arriving more than 15 minutes late will be counted as an absence. Please familiarize yourself with TAMU attendance policies [See http://student-rules.tamu.edu/rule07].
Make-ups and late-work policy
NO make-ups will be permitted for work missed due to unexcused absences. No late-work will be accepted unless there is a university-approved excuse in writing (original document – no copies).

Help
Instructor office hours are listed above and you are encouraged to seek help if you are having trouble with any assignment. Beyond consultation with your instructor, help is also available in the Language Support Office (LSO) in ACAD 124. You are encouraged to visit the LSO to consult language problems you may be having, to practice with material from ¡Salud!, or to practice with the LSO staff.

Additional information
- Arrive on time.
- Come prepared and ready to participate for every class meeting.
- Use only Spanish in class.
- Use a No. 2 pencil with a good eraser for all work done in class. All work should be neat and professional when turned in. Write legibly.
- Please turn-off your cell phone when you enter the classroom.

Overview of course outline

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<td>Chapter 8 Discussing Patient’s Emotions</td>
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<td>Chapter 9 Taking a Patient’s History</td>
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<td>Chapter 10 Discussing Past and Present Symptoms with Patients</td>
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<td>Chapter 11 “Have You Ever...?”</td>
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<tr>
<td>Chapter 12 Discussing Hypothetical Situations with Patients</td>
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</table>
Course Schedule

The following course schedule is tentative and may change according to the needs of the class. For example, a lesson may not on the stated day, but continue to the next class meeting. Please be aware of any changes to the syllabus.

You are to prepare the assigned pages before each class meeting begins.

19 Jan.  Introducción + capítulo 7: ¡Salud!: Discussing When Patients Go to the Hospital
         Sección 7.1 Introducción, p. 196
         Sección 7.2 Estructura: The Present Subjunctive, Part III, The Subjunctive Referring to Future Events, pp. 196-201

         Sección 7.2 Estructura: The Subjunctive Following Certain Conjunctions, pp. 204-207
         Sección 7.2 Estructura: Conjunctions that Take Either the Indicative or the Subjunctive, pp. 207-210
         Sección 7.3 Vocabulario: El hospital, pp. 210-212

         Sección 7.4 Estructura: The Special Case of Por and Para, pp. 218-221
         Sección 7.4 Estructura: Giving Directions, pp. 221-222
         Sección 7.5 Estructura: Relative Pronouns, pp. 222-225
         Sección 7.6 Cultura: Religious References in Speech, pp. 225-226

28 Jan.  Capítulo 7 ¡Salud! Role-playing #1
         Cap. 8: ¡Salud! Discussing Patients’ Emotions
         Sección 8.1 Introducción, p. 228
         Sección 8.2 Estructura: The Present Subjunctive, Part IV, Using the Subjunctive to Mark Known Information, pp. 229-238


         Sección 8.5 Vocabulario: Stores and Businesses, p. 248

9 Feb.   Sección 8.5 Vocabulario: Stores and Businesses, p. 248
         Sección 8.5 Vocabulario: Quedar, Quedarse, and Quedar bien/mal, pp. 248-251
         Sección 8.6 Nota Lingüística: Dr. Jorge Lanzoní, pp. 251-253
         Actividades comunicativas – Role-playing #2
11 Feb. Examen de capítulos 7 y 8

16 Feb. Capítulo 9: ¡Salud! Taking a Patient’s History
Sección 9.1 Introducción, p. 255
Sección 9.2 Estructura: Talking About the Past, Part II, Verbs with Spelling Changes in the Preterit, pp. 256-259
Sección 9.2 Estructura: Stem-Changing Verbs in the Preterit, pp. 259-261
Sección 9.2 Estructura: Irregular Verbs in the Preterit, pp. 262-264

Sección 9.3 Estructura: “Acabar de” + Infinitive, pp. 268-269
Sección 9.4 Estructura: How to Say Ago in Spanish, pp. 269-272
Sección 9.5 Estructura: The Impersonal se, pp. 272-275
Sección 9.6 Estructura: Another Use of the Impersonal Se Plus an Indirect Object Pronoun, pp. 275-277

23 Feb. Sección 9.7 Estructura: More About the Negative, pp. 277-279
Actividades comunicativas - Role-playing #3

Sección 10.1 Introducción pp. 282
Sección 10.2 Estructura: Talking About the Past, Part III, The Imperfect, pp. 283-286
Sección 10.3 Estructura: Talking About the Past, Part IV, The Contrast Between the Preterit and the Imperfect, pp. 286-289

1 Mar. Sección 10.3 Estructura: Talking About the Past, Part IV, How the Preterit and the Imperfect Relate to Each Other, pp. 289-293

Sección 10.5 Estructura: The Subjunctive, Part VIII, The Imperfect Subjunctive, pp. 297-303
Sección 10.6 Estructura: More About the Diminutive, pp. 304-306
Sección 10.7 Vocabulario: Los síntomas y el dolor, pp. 306-308

8 Mar. Actividades comunicativas - Role-playing #4

10 Mar. Examen de capítulos 9 y 10

*** 14-18 March: Spring Break ***

Sección 11.1 Introducción, p. 310
Sección 11.2 Estructura: The Participle, pp. 310-31
Sección 11.3 Estructura: The Present Perfect Tense, pp. 313-319
Sección 11.4 Estructura: Using Ser and Estar With Participles, pp. 319-324

24 Mar. Sección 11.5 Estructura: More About the Pronoun Se, pp. 324-325
Sección 11.6 Estructura: The Past Perfect Tense, pp. 325-238

29 Mar. Sección 11.7 Vocabulario: Diseases, conditions, and symptoms, pp. 328-333
Sección 11.8 Nota lingüística, pp. 333-337

31 Mar. Actividades comunicativas - Role-playing #5

5 Apr. Capítulo 12: ¡Salud! Discussing Hypothetical Situations with Patients
Sección 12.1 Introducción, p. 340

7 Apr. Sección 12.3 Estructura: The Future Tense, pp. 344-347
Sección 12.4 Estructura: The Conditional Tense, pp. 348-351
Sección 12.5 Estructura: If Clauses, pp. 351-353

Sección 12.7 Estructura: More About If Clauses, pp. 357-362
Sección 12.8 Nota lingüística, pp. 362-367

14 Apr. Actividades comunicativas - Role-playing #6

19 Apr. Examen de capítulos 11 y 12

21 Apr. Presentaciones finales

26 Apr. Presentaciones finales

28 Apr. Presentaciones finales

3 May “Redefined day, students attend their Friday classes”

No hay examen final
MEMORANDUM

TO: Jose Pablo Villalobos
    Director of Undergraduate Studies
    Department of Hispanic Studies

FROM: Sharon A. Wilkerson, Ph.D., R.N., CNE, ANEF
      Dean and Professor
      Texas A&M Health Science Center, College of Nursing

SUBJECT: Support for Medical Spanish Courses

I support the following Medical Spanish Courses:

- SPAN 208 Medical Spanish for Health Professionals I
- SPAN 218 Medical Spanish for Health Professionals II
- SPAN 318 Advanced Oral Communication for Health Professionals

We will recommend these courses to our students as well as pre-nursing students as the content will be very helpful in the care of Spanish speaking patients. Thank you so much for contacting my office.
I think you would be better to have letters from the Medical School or, perhaps the new undergraduate program we have here. My department does not offer classes in related subject matter.

Dennis

From: <Villalobos>, Jose P <jvillalo@tamu.edu>
Date: Friday, October 2, 2015 1:27 PM
To: "Gorman, Dennis M." <Gorman@sph.tamhsc.edu>
Subject: support for medical Spanish courses (Dept. of Hispanic Studies)

Dear Dr. Gorman:

I am writing to you seeking support for three courses we are developing in the Department of Hispanic Studies (College of Liberal Arts) that relate to medical Spanish. As per the instructions for the proposal of new courses, the University requires appropriate letters of support from departments that teach in related subject areas and we are hopeful that your office will be supportive of our new courses.

The courses we are proposing are:

- SPAN 208 Medical Spanish for Health Professionals I
- SPAN 218 Medical Spanish for Health Professionals II
- SPAN 318 Advanced Oral Communication for Health Professionals

I am attaching the syllabi for these courses as they stand. Basically, the first two courses are at the intermediate level and mirror the level of our already existing SPAN 201 and 202 (3\textsuperscript{rd} and 4\textsuperscript{th} semester) courses but in a health-related context. The third course is solely focused on oral communication in a health-related setting at the advanced level.

We are still finalizing details (SPAN 318 being the one that requires more work), but for the most part we are close to submitting these to our dean’s office for the October 19\textsuperscript{th} meeting of the Undergraduate Instruction Committee.

Please let me know if there are any concerns that I may address regarding this request. Thanks for your time. --José Villalobos

José Pablo Villalobos
Director of Undergraduate Studies
Department of Hispanic Studies
Hello Jose. None of our faculty teach any classes in our program that are remotely similar. You have our support for these classes.  
Dr. Spengler

John O. Spengler, JD, PhD  
Professor and Head  
Department of Health Promotion & Community Health Sciences  
School of Public Health  
Texas A&M Health Sciences Center  
College Station, TX

Dear John:  
Yes! We would greatly appreciate your department’s support for these classes. We have one more meeting in November left in which we can propose new classes for the 2016-2017 catalog. Can you submit something to me by Nov. 2? Thanks you for your support! --José

Hello Jose. I recently returned from several weeks of back to back travels and have found your email. I greatly apologize for the delay in responding. I can still look at this and respond if not too late. Just let me know.  
Best,  
J.O.
Dear Dr. Spengler:

I am writing to you seeking support for three courses we are developing in the Department of Hispanic Studies (College of Liberal Arts) that relate to medical Spanish. As per the instructions for the proposal of new courses, the University requires appropriate letters of support from departments that teach in related subject areas and we are hopeful that your office will be supportive of our new courses.

The courses we are proposing are:

- SPAN 208 Medical Spanish for Health Professionals I
- SPAN 218 Medical Spanish for Health Professionals II
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Please let me know if there are any concerns that I may address regarding this request. Thanks for your time, --José Villalobos

José Pablo Villalobos
Director of Undergraduate Studies
Department of Hispanic Studies
DATE: 16 October 2015

TO: Jose Pablo Villalobos
    Director of Undergraduate Studies
    Department of Hispanic Studies

FROM: Mark E. Benden, CPE, Ph.D.
      Professor and Head, Department of Environmental and Occupational Health
      School of Public Health

SUBJECT: Department of Hispanic Studies Courses

Per your request, I have reviewed your proposal for the following proposed courses:

- SPAN 208 Medical Spanish for Health Professionals I
- SPAN 218 Medical Spanish for Health Professionals II

The TAMU School of Public Health does not have any equivalent courses which would conflict with SPAN 208 or SPAN 218. In addition, these efforts align with the Health South Texas program launched by the Texas A&M Health Science Center and AgriLife Extension Service. Thank you for being part of Public Health!
Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
• Submit original form and attach a course syllabus.

Form Instructions

1. Course request type:  
   - Undergraduate [X]  
   - Graduate [ ]  
   - First Professional (DDS, MD, JD, PharmD, DVM) [ ]

2. Request submitted by (Department or Program Name):  
   Hispanic Studies

3. Course prefix, number and complete title of course:  
   SPAN 318 Oral Communication for Health Professionals

4. Catalog course description (not to exceed 50 words):  
   Development of advanced oral communication skills in Spanish within the context of the medical professions through discussion and study of health-related and cultural issues relating specifically to the Latino/Hispanic community. Field trips, service learning, volunteering, interviews, impromptu speaking and formal presentations may be required.

5. Prerequisite(s):  
   - Junior or senior classification or approval of instructor with placement exam, or SPAN 218, or SPAN 202

   Cross-listed with:  
   Stacked with:  
   Cross-listed courses require the signature of both department heads.

6. Is this a variable credit course?  
   - Yes [ ]  
   - No [X]  
   - If yes, from ______ to ______

7. Is this a repeatable course?  
   - Yes [ ]  
   - No [X]  
   - If yes, this course may be taken ______ times.
     Will this course be repeated within the same semester?  
     - Yes [ ]  
     - No [X]

8. Will this course be submitted to the Core Curriculum Council?  
   - Yes [ ]  
   - No [X]

9. How will this course be graded:  
   - Grade [X]  
   - S/U [ ]  
   - P/F (CLMD) [ ]

10. This course will be:  
   a. required for students enrolled in the following degree programs(s) (e.g., B.A. in history)

   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

      An elective course for all degree programs in HISP (major and minors).

11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments.  
    Attach approval letters.

12. [ ] I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

13. Prefix  
    Course #  
    Title (excluding punctuation)  
    SPAN 318  
    ORAL COMM FOR HEALTH

    Lect.  
    Lab  
    Other  
    SCH  
    CH and Fund Code  
    Admin. Unit  
    Acad. Year  
    FCE Code
    3.00  
    0.00  
    0.00  
    3.00  

    Approval recommended by:
    Maria Irene Moyna  
    Department Head or Program Chair (Type Name & Sign)  
    11/8/15

    Chair, College Review Committee  
    11-16-15

    Dean of College  
    11-18-15

    Submitted to Coordinating Board by:
    Chair, GC or UCC  
    Date

    Associate Director, Curricular Services  
    Date

    Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu.
Curricular Services – 07/14
SPANISH 318:
ORAL COMMUNICATION FOR HEALTH PROFESSIONALS
Spring 2016

Instructor: Norma Arizpe
Class meetings: Tues. / Thurs.: 12:45 – 2:00 p.m., 224 Academic Bldg.
Office: 129 A Academic Bldg.
Office hour: 11:00am-12:00pm, or by appt.
E-mail address: n-arizpe@tamu.edu

Course Description
Development of advanced oral communication skills in Spanish within the context of the medical professions through discussion and study of health related and cultural issues relating specifically to the Latino/Hispanic community. Field trips, service learning, volunteering, interviews, impromptu speaking and formal presentations may be required. 3 credit hours

Prerequisites
Junior or senior classification or approval of instructor with placement exam, or Span 218 or Span 202.

Learning Outcomes
By the end of the semester, students will:
1. Articulate in Spanish the main concerns/issues related to Latino health care.
2. Employ medical terminology appropriately to discuss health topics.
3. Communicate effectively in verbal interactions with Spanish-dominant patients/clients.

Methodology
This course stresses communication skills in Spanish. It is student-centered. To help students succeed in this course, the class will engage in a variety of activities such as the following:

- **One-on-One Speaking** (student-student): During a lecture or discussion the students will be asked to discuss a point or question with the person sitting next to them.
- **Small-Group discussions**: This activity is appropriate for deliberating and problem solving. Participation level is increased in this setting.
- **Full-Class Discussions** (student-or-instructor-led): Usually this activity is less controversial, less argumentative, less competitive than debating but still communicative. By establishing a setting of mutual respect, it has the tendency to effectively encourage active learning by voicing varying opinions/ideas.
- **Discussions/debates** on health care issues/topics: This structured activity focuses on two or more perspectives on an issue. This reason-based activity allows for a presentation of perspective or opinion and the flow of deliberation.
- **Lecture** (instructor-led) – Presentation of topics, vocabulary, health-related issues concerning health care that leads to discussion and/or role-playing will prepare students for their future.
• **Impromptu speaking**: This activity is not planned in advance. It is spoken, performed, done with little or no preparation. It is extemporaneous. This will serve as an excellent way to prepare students for the varying experiences they will have with their patients/clients.

• **Mock interviews**: These interviews will resemble as closely as possible real interviews with patient/clients. They will provide experience for the future health professionals.

• **Community service**: Students enrolled in this class will be required to volunteer in a health care related setting (hospital, health care clinic, or health fair).

• **Case studies** related to health care: This activity offers an analysis of a Latino patient or client’s medical situation to serve as a model. Included in this activity are cultural issues and values of the patient or client.

• **Field trip**: A visit to a health related institution, agency by the students to gain valuable information regarding health care.

• **Final Class Presentations**: The students will present a final presentation focusing on their community service experience.

**Americans with Disabilities Act (ADA) Policy Statement**
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information, visit [http://disability.tamu.edu](http://disability.tamu.edu).

**Academic Integrity Statement**
"*An Aggie does not lie, cheat, or steal or tolerate those who do.*"
Upon accepting admission to Texas A&M University, a student immediately assumes a commitment to uphold the Honor Code, to accept responsibility for learning, and to follow the philosophy and rules of the Honor System. Students may be required to state their commitment on examinations, research papers, and other academic work. Ignorance of the rules does not exclude any member of the TAMU community from the requirements or the processes of the Honor System. For additional information, please visit [http://aggiehonor.tamu.edu/](http://aggiehonor.tamu.edu/).

**Grading Scale**
Grades will be assigned on the basis of the following scale
([http://student-rules.tamu.edu/rule10](http://student-rules.tamu.edu/rule10))

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90-100%</td>
</tr>
<tr>
<td>B</td>
<td>80-89%</td>
</tr>
<tr>
<td>C</td>
<td>70-79%</td>
</tr>
<tr>
<td>D</td>
<td>60-69%</td>
</tr>
<tr>
<td>F</td>
<td>0-59%</td>
</tr>
</tbody>
</table>

**Assessment**
- Active Participation/Discussion ................................................................. 10%
- Conversations/Mock interviews/Role-playing .................................................. 40%
- Community Service .......................................................................................... 25%
- Final Oral Presentation .................................................................................... 25%
- Total .................................................................................................................. 100%
Active Participation (10%)  
Active Participation/Discussion means not only your physical presence in the classroom, but also your active contribution to the class and interaction with the instructor and classmates, so it is especially important to be consistently prepared for and actively involved in the class meetings. Use only Spanish in class.

Conversations/Mock interviews/Role-playing (40%)  
The students will make full use of the Spanish language while engaging in these activities throughout the semester.

Community Service (25%)  
Each student will volunteer approximately two hours per week at a health based institution to help prepare them in a professional real-world setting. Three times during the semester students will present a report of their experience in the community. Details to follow on the first day of class.

Final Oral Presentation (25%)  
The final oral presentation will focus either on your Community Service experience or on a topic of interest to you. It will be an individual presentation. Details to follow on the first day of class.

Attendance  
Each university-unauthorized absence beyond three will result in a 3% reduction of your final grade PER ABSENCE. Also, without a university-authorized excuse, (1) tardiness or leaving class early will be counted as ½ of an absence, and (2) arriving more than 15 minutes late will be counted as an absence. Please familiarize yourself with TAMU attendance policies [See http://student-rules.tamu.edu/rule07].

Make-ups and late-work policy  
If an absence is excused, the instructor will either provide the student an opportunity to make up any quiz, exam or other work that contributes to the final grade or provide a satisfactory alternative by a date agreed upon by the student and instructor. If the instructor has a regularly scheduled make up exam, students are expected to attend unless they have a university approved excuse. The make-up work must be completed in a timeframe not to exceed 30 calendar days from the last day of the initial absence.

Help  
Instructor office hours are listed on the first page and you are encouraged to seek help if you are having trouble with any assignment. Beyond consultation with your instructor, help is also available in the Language Support Office (LSO) in ACAD 124. You are encouraged to visit the LSO to consult with the staff on any language problems you may be having.

Classroom Etiquette  
- Arrive on time.  
- Please turn-off your cell phone when you enter the classroom.  
- Do not chew gum when you are presenting/speaking.
• When your peers or instructor are speaking be respectful and mindful and refrain from using your laptop or cellphone.

Course outline

The following course schedule is tentative and may change according to the needs of the class. For example, a lesson may not end on the stated day, but continue to the next class meeting. Or we may allow time for guest speakers. Any changes to the syllabus will be notified in class. In what follows, all underlined text represents a web page. To access the page on the web, move your cursor over the text, hold the CTRL key on your keyboard and click on your mouse. You may also place your cursor over the text and right click on your mouse and select “Open Hyperlink.”

Semana 1: Introducción al curso

19 enero

Ver en Youtube:
• Historia de la medicina
• La medicina en el antiguo egipto
• Historia de la enfermería
• Historia de la fisioterapia
• Kinesiología: principios del movimiento
• Historia de la medicina veterinaria
• Educación para la salud
• El origen de tres símbolos utilizados en medicina y cirugía

21 enero

Cada estudiante habla sobre su campo de la medicina (historia, etc.)

Semana 2: Vocabulario de medicina y jerga médica (medical jargon)

26 enero

Estudiar vocabulario específico de las partes del cuerpo
• El cuerpo humano
• Anatomía humana
• Terapia del habla
• Terapia física
• Jerga de medicina
• Jerga mexicana
• Miniglosario en inglés y español de los términos más utilizados
• Diccionario Médico

28 enero

Usar el vocabulario del cuerpo en ejercicios de actuación (role-play)

Semana 3: Comunicación no-verbal para los profesionales de medicina
2 febrero
Estudiar comunicación no-verbal para situaciones con pacientes/clientes
- Comunicación no verbal

4 febrero
Hacer simulaciones de entrevistas usando comunicación no-verbal

Semana 4: La ética y medicina – la eutanasia, “pull-the-plug”, asistencia sanitaria pública (public health care), investigación de células madres (stem cell research)
9 febrero
Discusión
- Bioethics
- Los principios básicos de la bioética
- La eutanasia

11 febrero
Reportes sobre el servicio comunitario

Semana 5: La medicina holística: pastillas, jugos, terapia física, etc.
16 febrero
Discusión: medicina alternativa
- Cómo mejorar la memoria en 10 minutos
- Mejorar la vista de forma natural
- Música para aumentar la inteligencia, memorización, atención
- Recetas de jugoterapia
- La receta para el estrés
- Masaje terapéutico

18 febrero
Hacer simulaciones de citas con paciente / cliente

Semana 6: Cómo apropiadamente dar información seria, cómo hacer preguntas delicadas, cómo hacer mandatos apropiados, qué es respetuoso, qué es descortés
23 febrero
Dar ejemplos, discutir las opciones, hacer simulaciones de entrevistas (mock interviews) con pacientes/clientes
- Comunicación médico paciente
- Transmisión de noticias difíciles
- Cómo hablar con el paciente terminal
- Relación médico-paciente

25 febrero
Hacer simulaciones de entrevistas + Reportajes sobre servicio comunitario

Semana 7: Presentaciones de grupos
1 marzo Presentaciones
3 marzo Presentaciones

Semana 8: Tabús culturales de los países de habla español
8 marzo
Informar la clase, discutir las diferencias
- Taboos and Superstitions Around the World
- Alimentos tabú
- Do’s and don’ts in Latin America

10 marzo
Hacer simulaciones de entrevistas con pacientes/clientes

Semana 9: El racismo en la medicina
22 marzo
Discusión
- How Race Leads to Health Issues
- Four Ways Racism Continues to Influence Modern Medicine
- Medical Racism
- Medical Racism: The Tuskegee and Guatemala Syphilis Studies
- Racism in Medicine
- Antonio de Montesinos and his Sermon

24 marzo
**Reportajes sobre servicio comunitario**

Semana 10: Casos prácticos de medicina
29 marzo
Conversaciones improvisadas/extemporáneas
- Casos clínicos

31 marzo
Conversaciones improvisadas/extemporáneas

Semana 11: Hablando con otros profesionales en español
5 abril
Conversaciones improvisadas/extemporáneas
- Network de profesionales de salud
- Administradores de Servicios Médicos y de Salud

7 abril
**Reportajes sobre servicio comunitario**

Semana 12: El humor como medicina
12 abril
Discusión
- The History of Humor Therapy
- History of Laughter Therapy
- Humor Therapy
- Laughter therapy
- Humor therapy (Ellen DeGeneres)

14 abril
Simulaciones de citas: Profesional / paciente

Semana 13
19 abril
   Presentaciones de servicio comunitario
21 abril
   Presentaciones de servicio comunitario

Semana 14
26 abril
   Presentaciones de servicio comunitario
28 abril
   Presentaciones de servicio comunitario

******************************************************************************

NO HAY EXAMEN FINAL

******************************************************************************

Recommended readings

October 14, 2015

MEMORANDUM

TO: Jose Pablo Villalobos
   Director of Undergraduate Studies
   Department of Hispanic Studies

FROM: Sharon A. Wilkerson, Ph.D., R.N., CNE, ANEF
      Dean and Professor
      Texas A&M Health Science Center, College of Nursing

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We will recommend these course to our students as well as pre-nursing students as the content will be very helpful in the care of Spanish speaking patients. Thank you so much for contacting my office.
From: Gorman, Dennis M. <Gorman@sph.tamhsc.edu>
Sent: Friday, October 02, 2015 1:33 PM
To: Villalobos, Jose P
Subject: Re: support for medical Spanish courses (Dept. of Hispanic Studies)

I think you would be better to have letters from the Medical School or, perhaps the new undergraduate program we have here. My department does not offer classes in related subject matter.

Dennis

From: <Villalobos>, Jose P <jvillajo@tamu.edu>
Date: Friday, October 2, 2015 1:27 PM
To: "Gorman, Dennis M." <Gorman@sph.tamhsc.edu>
Subject: support for medical Spanish courses (Dept. of Hispanic Studies)

Dear Dr. Gorman:

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Please let me know if there are any concerns that I may address regarding this request. Thanks for your time, --José Villalobos

José Pablo Villalobos
Director of Undergraduate Studies
Department of Hispanic Studies
From: Spengler, John <spengler@sph.tamhsc.edu>
Sent: Wednesday, October 28, 2015 4:06 PM
To: Villalobos, Jose P
Subject: RE: requesting support for medical spanish courses (Dept. of Hispanic Studies)

Hello Jose. None of our faculty teach any classes in our program that are remotely similar. You have our support for these classes.
Dr. Spengler

John O. Spengler, JD, PhD
Professor and Head
Department of Health Promotion & Community Health Sciences
School of Public Health
Texas A&M Health Sciences Center
College Station, TX

From: Villalobos, Jose P [mailto:jvillalo@tamu.edu]
Sent: Wednesday, October 21, 2015 8:45 AM
To: Spengler, John <spengler@sph.tamhsc.edu>
Subject: RE: requesting support for medical spanish courses (Dept. of Hispanic Studies)

Dear John:
Yes! We would greatly appreciate your department’s support for these classes. We have one more meeting in November left in which we can propose new classes for the 2016-2017 catalog. Can you submit something to me by Nov. 2? Thanks you for your support! --José

From: Spengler, John [spengler@sph.tamhsc.edu]
Sent: Tuesday, October 20, 2015 2:55 PM
To: Villalobos, Jose P
Subject: RE: requesting support for medical spanish courses (Dept. of Hispanic Studies)

Hello Jose. I recently returned from several weeks of back to back travels and have found your email. I greatly apologize for the delay in responding. I can still look at this and respond if not too late. Just let me know.
Best,
J.O.

John O. Spengler, JD, PhD
Professor and Head
Department of Health Promotion & Community Health Sciences
School of Public Health
Texas A&M Health Sciences Center
College Station, TX
From: Villalobos, Jose P [mailto:jvillalo@tamu.edu]
Sent: Friday, October 02, 2015 1:26 PM
To: Spengler, John <spengler@sph.tamhsc.edu>
Subject: requesting support for medical spanish courses (Dept. of Hispanic Studies)

Dear Dr. Spengler:

I am writing to you seeking support for three courses we are developing in the Department of Hispanic Studies (College of Liberal Arts) that relate to medical Spanish. As per the instructions for the proposal of new courses, the University requires appropriate letters of support from departments that teach in related subject areas and we are hopeful that your office will be supportive of our new courses.

The courses we are proposing are:

- SPAN 208 Medical Spanish for Health Professionals I
- SPAN 218 Medical Spanish for Health Professionals II
- SPAN 318 Advanced Oral Communication for Health Professionals

I am attaching the syllabi for these courses as they stand. Basically, the first two courses are at the intermediate level and mirror the level of our already existing SPAN 201 and 202 (3rd and 4th semester) courses but in a health-related context. The third course is solely focused on oral communication in a health-related setting at the advanced level.

We are still finalizing details (SPAN 318 being the one that requires more work), but for the most part we are close to submitting these to our dean’s office for the October 19th meeting of the Undergraduate Instruction Committee.

Please let me know if there are any concerns that I may address regarding this request. Thanks for your time, --José Villalobos

José Pablo Villalobos
Director of Undergraduate Studies
Department of Hispanic Studies
Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
• Submit original form and attach a course syllabus.

Form Instructions

1. Request submitted by (Department or Program Name): Hispanic Studies

2. Course prefix, number and complete title of course: SPAN 407 Spanish-English Translation

3. Catalog course description (not to exceed 50 words): Foundations of translation methodology, strategies, and practice; rendering of literary and non-literary texts; ethics of translation; emphasis on translation into the first language.

4. Prerequisite(s): 6 credits of upper division SPAN with a grade of B or higher or permission of the instructor.

5. Is this a variable credit course? ☑ No
   If yes, from _____ to _____

6. Is this a repeatable course? ☑ Yes ☐ No
   Will this course be repeated within the same semester? ☑ Yes ☐ No
   If yes, this course may be taken _____ times.

7. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)
   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

8. B.A. in Spanish

9. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Course #</th>
<th>Title (excluding punctuation)</th>
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<tbody>
<tr>
<td>SPAN</td>
<td>407</td>
<td>SPAN-ENGL TRANSLATION</td>
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<td>14471</td>
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<td>3</td>
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</table>

Approval recommended by:

Maria Irene Moyna
Department Head or Program Chair (Type Name & Sign) Date

Chair, College Review Committee Date

Dean of College Date

Submitted to Coordinating Board by:

Associate Director, Curricular Services Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
SPAN 407
SPANISH-ENGLISH TRANSLATION
Spring 2016

Instructor: María Irene Moyna
Office: ACAD 219
E-mail: moyna@tamu.edu
Class meetings: TBA
Room: TBA
Office hours: TBA
Final examination: TBA

Catalog description:
Introduction to Spanish-English Translation (3-0). Credit: 3. Foundations of translation methodology, strategies, and practice; rendering of literary and non-literary texts; ethics of translation; emphasis on translation into the native language.

Prerequisites:
6 credits of upper division SPAN with a grade of B or higher or permission of the instructor.

Text and required materials:
Good quality monolingual and bilingual dictionaries for English and Spanish. (Don't buy one until we discuss dictionaries in class.)

General course objectives
The objective of this course is to provide students with basic skills and practice in translation, with a variety of general texts, including literary and non-literary; specialized texts (legal, commercial, technical) will not be the main focus, although they may be used occasionally. We will practice translation both individually and in peer work, to focus on the challenges posed by different text types and solutions to those challenges. An important objective is to familiarize students with reference materials typical of the trade, including dictionaries, glossaries, encyclopedias, internet references, and so on.

Learning outcomes:
At the end of the course you will be able to:
- describe the process of translation and interpreting in accurate technical vocabulary
- compose near-publishable translations into your strong (dominant) language in a variety of general text types (i.e., grammatically correct, semantically accurate, appropriate in tone and style)
- compose proficient translations into your second language (i.e., grammatically correct, semantically accurate)
- formulate correct consecutive interpreting of simple short dialogues and presentations
- employ appropriate strategies to deal with vocabulary gaps and cross-cultural differences
- articulate and produce the standard code of conduct of the professional translator
Format of the course

Research has shown that for language and skills acquisition, a student-centered approach works best. Therefore, this course is structured around activities that students need to prepare at home, and discuss with their classmates in class. You will benefit to the extent that you come prepared every day and make an effort. Because this is a translation class, and because all students are bilingual to different degrees, it is acceptable to participate in both English and Spanish. However, we will make an effort to avoid code-switching, not because there is anything inherently wrong about it, but because the target of a translator is generally a monolingual audience, so the objective is to gain fluency in both languages independently of each other. We will thus alternate between sessions in which we will use English, and others in which we will use Spanish as the language for communication.

Attendance policy:

Attendance is obligatory and will be taken during the first five minutes of class; anyone who arrives later without a justification will be counted tardy. Three tardies are equivalent to an absence. Arrival any later than the first 15 minutes of class will result in an absence. Valid justifications appear in the TAMU student rules (http://student-rules.tamu.edu/rule7.htm) and must be documented in writing. The objective of this strict policy is to guarantee the best performance in the class for everyone. The course is a preparation for professional life, where reliability is a prerequisite for success.

Final grade scales:

<table>
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<th>Grade</th>
<th>Percentage</th>
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<tr>
<td>100 – 90%</td>
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<tr>
<td>89 – 80%</td>
<td>B</td>
</tr>
<tr>
<td>79 – 70%</td>
<td>C</td>
</tr>
<tr>
<td>69 – 60%</td>
<td>D</td>
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<tr>
<td>59 % or less</td>
<td>F</td>
</tr>
</tbody>
</table>

Evaluation breakdown:

<table>
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<tr>
<th>Component</th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>Exams (2)</td>
<td>20%</td>
</tr>
<tr>
<td>Take-home translations (2)</td>
<td>20%</td>
</tr>
<tr>
<td>Translation portfolio</td>
<td>30%</td>
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<tr>
<td>Individual presentation</td>
<td>10%</td>
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<td>Individual blcg</td>
<td>10%</td>
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<tr>
<td>Homework</td>
<td>5%</td>
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<tr>
<td>Participation</td>
<td>5%</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
</tr>
</tbody>
</table>

The purpose of exams is to check that students have understood the main ideas and techniques presented in the course and can apply them to the translation of new texts. Reference materials such as dictionaries are allowed, but should be used appropriately. Different types of texts and content areas will be included to give opportunities to people with different strengths. There will be an exam on week 7 and another one on week 13.

Students will have to hand in two take-home translations completed outside of class, which will be evaluated on the basis of their faithfulness to the original in meaning and style and on grammatical accuracy. Each translation assignment will include one text from the second language to the dominant language, and a shorter text from the dominant language to the second language. The texts will be given at least one week before the translation is due and in general
there will be several options to choose from. Each translation will be returned with comments, which should be used to hand in the second draft. The final grade will be an average of both drafts.

You will be in charge of a translation portfolio which you will work on all semester long. This portfolio will include several activities (for a total of about 1,500 words) around a central topic of your interest, which you will hand in at several points in the semester. Possible examples might include a specific country or region (Uruguay, Jalisco), a product or industry (stiletto shoes, fashion), a specialized field (clinical depression, Latin American political systems), or a current event (the Syrian conflict, health care). The portfolio must contain the following: (a) a summary of a book or series of articles about the topic; (b) three translations on the topic (from different perspectives and text styles) (200 words each); (c) a list of translation resources, including a glossary of interesting vocabulary and a bibliography.

As part of the portfolio, you will prepare a final presentation to deliver to your classmates during the end of the semester. This presentation will be divided into a Spanish section and an English section, and it should take no more than 15 minutes. It should include information of interest on your topic and comments about language that you found of interest.

Each student will be in charge of creating and updating a blog in Spanish, which will be a resource about translation and interpretation. In it you will post at least ten entries all through the semester, at least once a week, and at least one hundred words every time. It will be open to your classmates and the instructor and you are expected to make comments in at least two blogs every week. You will be provided with a list of suggestions for topics of interest that you can blog about, but you are free to deviate as long as you stay within the general topic of language and translation. The format of the blog will be free, but it will have certain obligatory elements.

You can expect to have homework frequently. In general, it will include reading, preparation of writing and exercises, and so on. It is not always possible to predict when homework will be assigned, but it will be clearly announced in class and through eCampus. It is your responsibility, if you miss class, to find out through eCampus or your classmates what you need to do for the next class session. The purpose of homework is to reinforce what was learned in class or prepare activities so that class time can be used more profitably. Written assignments have to be done on loose sheets of paper and may be collected whenever the teacher deems it necessary.

Participation will be measured on the basis of two elements: your attendance (3 points) and your attitude in class (2 points). You will lose one point for each unjustified absence.

## Grading of written translations:

<table>
<thead>
<tr>
<th>Points</th>
<th>Explanation</th>
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</thead>
<tbody>
<tr>
<td>100 - 90</td>
<td>The translation is professional or near-publishable. It is free of spelling or grammatical mistakes, renders the meaning of the original faithfully, and it captures its tone and style.</td>
</tr>
<tr>
<td>89 - 80</td>
<td>The translation allows the reader to have access to the overall meaning of the original text, but it has some mistakes of form or misses some meaning details and would not be acceptable as a professional product.</td>
</tr>
<tr>
<td>79 – 70</td>
<td>The translation has several small mistakes or at least a couple of big comprehension errors that distort the meaning of the original, its tone, or style.</td>
</tr>
<tr>
<td>69 - 60</td>
<td>The translation has numerous basic mistakes, some of which are serious and show lack of comprehension of the source text, or lack of knowledge of basic grammar, vocabulary, or style of the target language.</td>
</tr>
<tr>
<td>59 and below</td>
<td>The translation has many basic mistakes in the comprehension of the source text or in the grammar or style of the target language.</td>
</tr>
</tbody>
</table>
Presentation of assignments:
All major assignments must be typed and submitted in class. Assignment and paper deadlines are mandatory; half a point will be docked for each day of delay. No work will be accepted a week after its deadline, unless the delay was due to an excused absence. Please attach your excuse to the assignment. **There will be no exceptions.**

Academic honesty:
This course will be ruled by the Aggie Code of Honor: "An Aggie does not lie, cheat or steal, or tolerate those who do." Therefore, the highest standards of ethics are expected. In homework assignments, in the final project, and in any other assessment, students must produce original work. Plagiarism and cheating will be penalized. Plagiarism or self-plagiarism involves the use of material taken from other works (either in print or online) without clearly specifying the source of citations through standard conventions. Any case of dishonesty will be referred to the Aggie Honor System Office. Please consult their website (http://aggiehonors.tamu.edu/) especially under the ‘Descriptions’ link, for a list of conducts that constitute academic dishonesty. If you have any questions or concerns, do not hesitate to contact me directly.

Behavior:
It is the teacher’s responsibility to guarantee an atmosphere where all students feel comfortable and ready to learn. Therefore, mutual respect and collaboration are expected. Insulting and discriminatory comments will not be tolerated.

Americans with Disabilities Act Statement:
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information, visit http://disability.tamu.edu.

Make-up exam policy:
Students will only be allowed to make up exams when they have justified their absence. No make-ups will be allowed to improve the grade.

Incomplete policy:
The temporary grade of incomplete (I) will be given at the end of the semester only in cases where students have completed the coursework with the exception of the final project. An ‘I’ will only be given to a student who has missed work due to a documented excused absence. No incompletes will be given to students who have attended class but have failed to hand in assignments.

**Tentative calendar**

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
<th>Assignment</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>Prepare</td>
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<tr>
<td></td>
<td>Topic</td>
<td>Chapter</td>
</tr>
<tr>
<td>---</td>
<td>----------------------------------------------------------------------</td>
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</tbody>
</table>
| 1 | Getting to know each other  
    Introduction: Myths and history of translation                      | Ch. 1 pp. 1 - 7 | Personal information |
<p>|   | The need for translation                                             | Ch. 1 pp. 8 - 15 | Blog #1               |
| 2 | Translation quality                                                  | Ch. 1 pp. 15 - 17 |                       |
|   | Translation as a profession: associations, code of ethics             | Ch. 1 pp. 17 - 25 |                       |
|   | Translation as a profession: agencies, clients, and services          | Ch. 1 pp. 26 - 32 | Blog #2               |
| 3 | Types of translation                                                 | Ch. 2 pp. 33 - 37 |                       |
|   | Connotation and denotation                                           | Ch. 2 pp. 38 - 42 |                       |
|   | Exercises or connotation and denotation                              | Ch. 2 pp. 43 - 45 |                       |
| 4 | Understanding and evaluating dictionaries                            | Ch. 2 pp. 45 - 50 |                       |
|   | Polysemy, puns, and cognates                                         | Ch. 2 pp. 51 - 60 |                       |
|   | Multilingual texts                                                  | Ch. 2 pp. 60 - 67 |                       |
|   | Workshop text 1 (pp. 66 - 67)                                        | Ch. 2 pp. 66 - 67 |                       |
|   | Terminology                                                          | Ch. 3 pp. 68 - 78 |                       |
| 5 | Collocations and corpora                                             | Ch. 3 pp. 79 - 88 |                       |
|   | Semantic fields                                                      | Ch. 3 pp. 88 - 91 |                       |
| 6 | Parallel texts                                                       | Ch. 3 pp. 92 - 96 |                       |
|   | Workshop Text 2 (pp. 96 - 97)                                        | Ch. 3 pp. 96 - 97 |                       |
|   | Catch-up and review day                                              | Ch. 3 pp. 92 - 96 |                       |
| 7 | EXAM 1                                                               | Ch. 4 pp. 98 - 101 |                       |
|   | Audience: semantic and communicative translation                     | Ch. 4 pp. 98 - 101 |                       |
|   | Précis writing, summary translation, sight translation               | Ch. 4 pp. 102 - 106 |                       |
|   | Register                                                             | Ch. 4 pp. 106 - 112 |                       |
| 8 | Tone                                                                 | Ch. 4 pp. 113 - 116 |                       |
|   | Slang and regional variation                                         | Ch. 4 pp. 116 - 123 |                       |
|   | Translation universals, techniques and strategies                   | Ch. 4 pp. 126 - 134 |                       |
| 9 | Workshop: Case studies                                              | Ch. 4 pp. 126 - 134 |                       |
|   | Catch-up day                                                         | Ch. 4 pp. 126 - 134 |                       |
| 10| Translating idioms and insults                                       | Ch. 5 pp. 139 - 143 |                       |
|   | Figurative language, proverbs, and sayings                          | Ch. 5 pp. 144 - 146 |                       |
|   |                                                                      |           |                       |</p>
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<tr>
<th>Week</th>
<th>Topic</th>
<th>Reading</th>
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<tr>
<td>11</td>
<td>Metonymy and metaphor</td>
<td>Ch. 5 pp. 147 - 150</td>
<td>Blog # 10</td>
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<td>Humor, comics, and <em>piropos</em></td>
<td>Ch. 5 pp. 152 - 156</td>
<td>Prepare workshop 4 (pp. 158-160)</td>
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<td>Case studies</td>
<td>Ch. 5 pp. 156 - 157</td>
<td>Take-home 2 (final version)</td>
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<td>Workshop 4 (pp. 158 - 160)</td>
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<td>Catch-up day</td>
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<td>Quality control</td>
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<td>Editing exercises</td>
<td>Ch. 12 pp. 324 - 328</td>
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<tr>
<td>13</td>
<td>Cohesion and coherence</td>
<td>Ch. 12 pp. 329 - 332</td>
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<td>Stylesheets, style guides</td>
<td>Ch. 12 pp. 333 - 335</td>
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<td>EXAM 2</td>
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<td>Individual presentations</td>
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FINALS WEEK: Portfolio due
Texas A&M University
Departmental Request for a New Course
Undergraduate  Graduate  Professional
* Submit original form and attach a course syllabus. *

Form Instructions

1. Request submitted by (Department or Program Name): Hispanic Studies

2. Course prefix, number and complete title of course: SPAN 417 Advanced Spanish-English Translation

3. Catalog course description (not to exceed 50 words): Expansion of translation practice and development of lexical and stylistic competence in specialized fields, including commercial, legal, medical, technical, and scientific. A mandatory service learning component included.

4. Prerequisite(s): SPAN 407 with a grade of B or higher or permission of the instructor.

Cross-listed with: Stacked with: Cross-listed courses require the signature of both department heads.

5. Is this a variable credit course? ☐ Yes ☒ No If yes, from _______ to _______.

6. Is this a repeatable course? ☐ Yes ☒ No If yes, this course may be taken ______ times.

Will this course be repeated within the same semester? ☐ Yes ☒ No

7. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)

   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

   B.A. in Spanish, general undergraduate academic

8. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

9. Prefix | Course # | Title (excluding punctuation) | SPAN 417 | SPAN - ENG | TRANSL |
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<tr>
<td>Approval recommended by:</td>
<td>Maria Irene Moyna</td>
<td>11/10/15</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Department Head or Program Chair (Type Name &amp; Sign) Date</td>
<td>Chair, College Review Committee Date</td>
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<tr>
<td>Department Head or Program Chair (Type Name &amp; Sign) Date (if cross-listed course)</td>
<td>Dean of College Date</td>
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</table>

Submitted to Coordinating Board by: Associate Director, Curricular Services

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 3/10
SPAN 417
ADVANCED SPANISH-ENGLISH TRANSLATION
Spring 2017

Instructor: María Irene Moyna
Office: ACAD 219
E-mail: moyna@tamu.edu
Class meetings: TBA
Room: TBA
Office hours: TBA
Final examination: TBA

Catalog description:
Advanced Spanish-English Translation (3-0). Credit: 3. Expansion of translation practice and development of lexical and stylistic competence in specialized fields, including commercial, legal, medical, technical, and scientific. A mandatory service learning component included.

Prerequisites:
SPAN 407 with a grade of B or higher or permission of the instructor.

Text and required materials:
Good quality monolingual and bilingual dictionaries for English and Spanish (Don't buy one until we discuss dictionaries in class.)

General course objectives:
The objective of this course is to build upon basic translation and interpretation skills developed in SPAN 407 and expose students to a variety of specialized text types, including commercial and financial, legal and political, medical, scientific, and technical. The main differences between literary and non-literary translation will also be discussed. We will practice translation both individually and through peer work. An important objective of this course is to teach students to work in professional teams, so several of the activities will involve working with classmates and coordinating collective assignments. Students will be providing pro bono services to a Spanish-serving institution of their choice in the Bryan-College Station area, and will showcase their work in a final poster presentation.

Learning outcomes:
At the end of the course you will be able to:
- create publishable translations (i.e., grammatically correct, semantically accurate, stylistically appropriate) into your dominant language in a variety of specialized text types, such as commercial, legal, medical, scientific
- compose proficient (i.e., grammatically correct, semantically accurate) specialized translations into their second language
- provide correct consecutive interpreting of specialized presentations
- articulate and follow the standard code of conduct of the professional translator
Format of the course:
Research has shown that for language and skills acquisition, a student-centered approach works best. Therefore, this course is structured around activities that students need to prepare at home, and discuss with their classmates in class. You will benefit to the extent that you come prepared every day and make an effort. Because this is a translation class, and because all students are bilingual to different degrees, it is acceptable to participate in both English and Spanish. However, we will make an effort to avoid code-switching, not because there is anything inherently wrong about it, but because the target of a translator is generally a monolingual audience, so the objective is to gain fluency in both languages independently of each other. We will thus alternate between sessions in which we will use English, and others in which we will use Spanish as the language for communication.

Attendance policy:
Attendance to class is obligatory and will be taken during the first five minutes; anyone who arrives later without a justification will be counted tardy. Arrival any later than the first 15 minutes of class will result in an absence. Three tardies are equivalent to an absence. Valid justifications appear in the TAMU student rules (http://student-rules.tamu.edu/rule7.htm) and must be documented in writing. The objective of this strict policy is to guarantee the best performance in the class for everyone. The course is a preparation for professional life, where reliability is a prerequisite for success.

Final grade scales:
100 – 90% A 89 – 80% B
79 – 70% C 69 – 60% D
59% or less F

Evaluation breakdown:
Take-home translations (2) 20%
Individual translation assignment 20%
Group translation assignment 20%
Group presentation 20%
Individual blcg 10%
Homework 5%
Participation 5%
Total 100%

Students will have to hand in two take-home translations completed outside of class, which will be evaluated on the basis of their faithfulness to the original in meaning and style and on grammatical accuracy. Each translation assignment will include one text from the second language to the dominant language, and a shorter text from the dominant language to the second language. The texts will be given at least one week before the translation is due and there will be several options to choose from. Each translation will be returned with comments, which should be used to produce a revised final draft. The grade for the assignment will be an average of both the first draft and the final draft.

Over the course of the semester, you will work with a group of classmates as you would in a translation bureau. Your first task will be to identify a community agency that requires
translation services. You will establish contact with them, ascertain their translation needs, and develop strategies to complete the assignment in the course of the semester. Part of your grade will come from an individual translation portfolio containing at least three translations of the agency documents that you work on (approximately 500 words each in the original). These translations may be into Spanish or English, but given the characteristics of most Spanish-serving institutions, they are more likely to be into Spanish. Your translations will include first drafts, revised drafts, and a final reflection on your project.

Moreover, together with your team, you will get together to discuss your individual translations and produce a unified group portfolio containing all your work for the community agency. In that collective work, you must take care to check the accuracy of the translations, unify your lexical and stylistic choices, and format the work appropriately and professionally for delivery. Your completed assignment will be delivered to your agency at the end of the semester.

As part of the group portfolio, you will prepare a final poster that you will share with your classmates, the participating agencies, and the community at the end of the semester. The poster will have two versions, Spanish and English, and you should be prepared to talk about it in either language. It should include information on the agency’s work and comments about language that you find of interest.

Each student will be in charge of creating and updating a blog in Spanish, which will be a resource about translating in one specialized field of your choice. In it you will post at least ten entries during the semester (see dates on calendar) and at least one hundred words every time. It will be open to your classmates and the instructor and you are expected to make comments in at least two blogs every week. You will be provided with a list of suggestions for topics of interest that you can blog about, but you are free to deviate as long as you stay within your specialized field. The format of the blog will be free, but it will have certain obligatory elements.

You can expect to have homework frequently. In general, it will include reading, preparation of writing and exercises, and so on. It is not always possible to predict when homework will be assigned to hand in, but it will be clearly announced in class. It is your responsibility, if you miss class, to find out through eCampus or your classmates what you need to do for the next class session. The purpose of homework is to reinforce what was learned in class or prepare activities so that class time can be used more profitably. Written assignments have to be done on loose sheets of paper and may be collected whenever the teacher deems it necessary.

Participation will be measured on the basis of two elements: your attendance (3 points) and your attitude in class (2 points). You will lose one point for each unjustified absence.

Presentation of assignments:

Except when otherwise specified, assignments must be typed and submitted in class. Assignment and paper deadlines are mandatory; half a point will be docked for each day of delay. No work will be accepted a week after its deadline, unless the delay was due to an excused absence.
Grading of written translations:

<table>
<thead>
<tr>
<th>Points</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 – 90</td>
<td>The translation is professional and publishable. It is free of spelling or grammatical mistakes, renders the meaning of the original text faithfully, captures its tone and style, and uses specialized language appropriately.</td>
</tr>
<tr>
<td>89 – 80</td>
<td>The translation allows the reader to have access to the overall meaning of the original text, but it has some mistakes of form or misses some meaning details and would not be acceptable as a professional product.</td>
</tr>
<tr>
<td>79 – 70</td>
<td>The translation has several small mistakes or at least a couple of big comprehension errors that distort the meaning of the original, its tone, or style.</td>
</tr>
<tr>
<td>69 – 60</td>
<td>The translation has numerous basic mistakes, some of which are serious and show lack of comprehension of the source text, or lack of knowledge of basic grammar, vocabulary, or style of the target language.</td>
</tr>
<tr>
<td>59 and below</td>
<td>The translation has many basic mistakes in the comprehension of the source text or in the grammar or style of the target language.</td>
</tr>
</tbody>
</table>

Academic honesty:

This course will be ruled by the Aggie Code of Honor: “An Aggie does not lie, cheat or steal, or tolerate those who do.” Therefore, the highest standards of ethics are expected. In homework assignments, in the final project, and in any other assessment, students must produce original work. Plagiarism and cheating will be penalized. Plagiarism or self-plagiarism involves the use of material taken from other works (either in print or online) without clearly specifying the source of citations through standard conventions. Any case of dishonesty will be referred to the Aggie Honor System Office. Please consult their website (http://aggiehonor.tamu.edu/) especially under the ‘Descriptions’ link, for a list of conducts that constitute academic dishonesty. If you have any questions or concerns, do not hesitate to contact me directly.

Behavior:

It is the teacher’s responsibility to guarantee an atmosphere where all students feel comfortable and ready to learn. Therefore, mutual respect and collaboration are expected. Insulting and discriminatory comments will not be tolerated.

Americans with Disabilities Act Statement:

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information, visit http://disability.tamu.edu.

Make-up policy:

This class does not have in-class exams, so no make-ups will be given. However, there is a final poster presentation that will take place on the day of finals. Attendance to that poster presentation is mandatory, and given the nature of the assignment, it cannot be missed. Students
who do not attend their group’s presentation due to an illness or other justified absence must contact the professor and will be given an alternative format to present their work, which may include uploading a videorecording to eCampus for evaluation. The student will be responsible for any additional work that this entails. Given the seriousness of the absence, a written justification is absolutely essential for the opportunity of a make-up presentation.

**Incomplete policy:**

The temporary grade of incomplete (I) will be given at the end of the semester only in cases where students have completed the coursework with the exception of the final project. An ‘I’ will only be given to a student who has missed and assignment due to an excused absence. No incompletes will be given to students who have attended class but have failed to hand in assignments. A group will not be negatively affected if one of its members fails to hand in their assignments on time or to participate in the group presentation.

**Tentative calendar**

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
<th>Assignment</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>Prepare</td>
</tr>
<tr>
<td>1</td>
<td>Getting to know each other</td>
<td>Ch. 6 pp. 161 - 164</td>
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<tr>
<td></td>
<td>Marketing and advertising, slogans</td>
<td>Ch. 6 pp. 165 - 167</td>
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<tr>
<td></td>
<td>Ad campaigns</td>
<td>Ch. 6 pp. 167 - 171</td>
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<tr>
<td>2</td>
<td>Internet marketing</td>
<td>Ch. 6 pp. 172 - 176</td>
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<tr>
<td></td>
<td>Localization and global business</td>
<td>Ch. 6 pp. 176 - 181</td>
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<tr>
<td></td>
<td>International trade documents</td>
<td>Ch. 6 pp. 183 - 186</td>
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<td>3</td>
<td>Translating trade fair calendars</td>
<td>Ch. 6 pp. 186 - 190</td>
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<td></td>
<td>Business ethics</td>
<td>Ch. 6 pp. 191 - 193</td>
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<td></td>
<td>Workshop # 5 Strategic plan translation</td>
<td>Ch. 7 pp. 194 - 196</td>
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<tr>
<td>4</td>
<td>Legal translation: voting materials</td>
<td>Ch. 7 pp. 197 - 202</td>
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<td></td>
<td>Official translation</td>
<td>Ch. 7 pp. 203 - 205</td>
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<td></td>
<td>Academic jargon</td>
<td>Ch. 7 pp. 206 - 208</td>
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<td>5</td>
<td>Translation in schools</td>
<td>Ch. 7 pp. 209 - 214</td>
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<td></td>
<td>Translation’s role</td>
<td>Ch. 7 pp. 216 - 217</td>
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<td>6</td>
<td>Court interpreting</td>
<td>Ch. 7 pp. 219 - 222</td>
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<td></td>
<td>Translating human rights</td>
<td>Ch. 7 pp. 222 - 224</td>
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<tr>
<td>7</td>
<td>Workshop # 6 Political science</td>
<td>Ch. 8 pp. 225 - 229</td>
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<tr>
<td></td>
<td>Catch up day</td>
<td>Ch. 8 pp. 231 - 233</td>
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<tr>
<td></td>
<td>Medical translation</td>
<td>Ch. 8 pp. 234 - 237</td>
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<tr>
<td></td>
<td>Clinical history</td>
<td>Ch. 8 pp. 229 - 233</td>
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<tr>
<td></td>
<td>Translating informational materials</td>
<td>Ch. 8 pp. 233 - 237</td>
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<tr>
<td>Week</td>
<td>Topic</td>
<td>Chapter Range</td>
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<tr>
<td>8</td>
<td>Living wills</td>
<td>Ch. 8 pp. 238 - 241</td>
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<td></td>
<td>Medical vocabulary</td>
<td>Ch. 8 pp. 241 - 243</td>
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<td></td>
<td>Questionnaires and consent forms</td>
<td>Ch. 8 pp. 243 - 245</td>
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<td>9</td>
<td>Health brochures</td>
<td>Ch. 8 pp. 246 - 247</td>
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<td></td>
<td>Workshop # 7: Vaccines</td>
<td>Ch. 8 pp. 248</td>
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<td></td>
<td>Catch-up day</td>
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<tr>
<td>10</td>
<td>Scientific and technical translation</td>
<td>Ch. 9 pp. 250 - 253</td>
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<td></td>
<td>Technical writing</td>
<td>Ch. 9 pp. 254 - 256</td>
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<td></td>
<td>Training materials and how-to booklets</td>
<td>Ch. 9 pp. 257 - 259</td>
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<td>11</td>
<td>Semitechnical texts</td>
<td>Ch. 9 pp. 259 – 261</td>
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<td>The Beaufort wind scale</td>
<td>Ch. 9 pp. 263 - 266</td>
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<td></td>
<td>Workshop # 8B Academic research</td>
<td>Ch. 9 pp. 289 - 291</td>
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<td>12</td>
<td>Catch-up day</td>
<td>Ch. 11 pp. 296 - 298</td>
</tr>
<tr>
<td></td>
<td>Film dubbing and subtitling</td>
<td>Ch. 11 pp. 298 - 301</td>
</tr>
<tr>
<td>13</td>
<td>Television and localization</td>
<td>Ch. 11 pp. 302 - 304</td>
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<tr>
<td></td>
<td>Translating titles</td>
<td>Ch. 11 pp. 306 - 311</td>
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<tr>
<td></td>
<td>Translating tourism</td>
<td>Ch. 11 pp. 313 - 316</td>
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<tr>
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<td>Performance testing</td>
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<tr>
<td>14</td>
<td>Short takes</td>
<td>Ch. 11 pp. 316 - 317</td>
</tr>
<tr>
<td></td>
<td>Wrap-up of course</td>
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<td></td>
<td>Poster presentation</td>
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EXAM WEEK: Group portfolio due
Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
• Submit original form and attach a course syllabus.

Form Instructions
1. Course request type: ☒ Undergraduate ☐ Graduate ☐ First Professional (DDS, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name): Health and Kinesiology
3. Course prefix, number and complete title of course: SPMT 481 Seminar
4. Catalog course description (not to exceed 50 words): A variety of topical seminars in communicating contemporary and historical sport management subjects designed to complement the curriculum in sport management.

5. Prerequisite(s): Admission to the professional phase of the sport management program; Junior or Senior Classification; or approval of instructor

Cross-listed with: __________________________ Stacked with: __________________________

Cross-listed courses require the signature of both department heads.

6. Is this a variable credit course? ☐ Yes ☒ No If yes, from ________ to ________

7. Is this a repeatable course? ☒ Yes ☐ No If yes, this course may be taken ________ times.

Will this course be repeated within the same semester? ☒ Yes ☐ No

8. Will this course be submitted to the Core Curriculum Council? ☒ Yes ☐ No

9. How will this course be graded? ☒ Grade ☐ S/U ☐ P/F (CLMD)

10. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)
      B.S. in Sport Management; Minor in Sport Management
   b. an elective for students enrolled in the following degree program(s) (e.g., M.S.; Ph.D. in geography)
      open to any student as an elective

11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

12. ☒ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

13. Prefix | Course # | Title (excluding punctuation)
   --- | --- | ---
   SPMT | 481 | SEMINAR

<table>
<thead>
<tr>
<th>Lect.</th>
<th>Lab</th>
<th>Other</th>
<th>SCH</th>
<th>CIP and Fund Code</th>
<th>Admin. Unit</th>
<th>Acad. Year</th>
<th>FICE Code</th>
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<td>1.00</td>
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<td>3105040016</td>
<td>1402</td>
<td>16 - 17</td>
<td>0 0 3 3 2</td>
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</tbody>
</table>

Approval recommended by: [Signature]

Richard Kreider
Department Head of Program Chair (Type Name & Sign) Date

Chris Cherry
Chair, College Review Committee Date

Chris Cherry
Dean of College Date

Tm Scott
Chair, GC or UCC Date

Submitted to Coordinating Board by:

Associate Director, Curricular Services

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu.

Curricular Services – 07/14
INSTRUCTOR INFORMATION:
Name: Dr. Paul E. Keiper, Ed.D.
Off. Loc.: Blocker 342BC
Phone: 458-2724
Email: pkeiper@hlkn.tamu.edu
Off. Hours: T/R 1:00-2:00, or by appointment
Teaching Assistant:
Name: Hannah Malcomb
Off. Loc.: Blocker 340
Email: hmalcomb@tamu.edu

Web Based Class Location: on ecampus
Course Websites: ecampus.tamu.edu (You must check this site often for updates and communication from me.)

COURSE DESCRIPTION

This course is a survey of the history of modern sport and sports development over time. As you participate in this course you will be given the opportunity to analyze the relationship between sport and society. You will, also, be able to examine central problems revolving around sport from a variety of viewpoints.

LEARNING OUTCOMES

After completing this course, you should be able to:
- Describe the importance of sport in society.
- Determine the value the study of sport history has had on today’s cultural issues.
- Compare and contrast sport today and sport history.

COURSE READINGS


POINT STRUCTURE:  
Paper 100 points
Quizzes: 10 points x 10 quizzes = 100 points
TOTAL 200 points

GRADING STRUCTURE:
90-100% A
80-89% B
70-79% C
60-69% D
≤ 59% F
Course Policies and Expectations

General Course Rules.

Any work missed due to an unexcused absence may not be made up at a later date. The only exception to this policy is written documentation of a situation that absolutely prohibits you from punctual responsibilities. Refer to Academic Rules, Rule 7 for http://student-rules.tamu.edu/rule07

Plagiarism Statement.

As commonly defined, plagiarism consists of passing off as one’s own ideas, words, writings, etc., those which belong to another. In accordance with this definition, you are committing plagiarism if you copy the work of another person and turn it in as your own, even if you have the permission of that person. Another less known violation is when a student turns in a paper of their own twice, this is called multiple submissions. Plagiarism is one of the worst academic sins, for plagiarists destroy the trust among colleagues without which research cannot be safely communicated. If you have questions regarding plagiarism, please consult the latest issue of the Texas A&M University Student Rules, http://student-rules.tamu.edu, under the section “Scholastic Dishonesty.”

Academic Integrity Statement and Policy

“An Aggie does not lie, cheat or steal, or tolerate those who do.” For additional information, please visit: http://aggiehonor.tamu.edu.

Americans with Disabilities Act (ADA) Policy Statement

Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information, visit http://disability.tamu.edu.

Copyright Statement

The materials used in this course are copyrighted. These materials include, but are not limited to, the syllabi, quizzes, exams, lab problems, in-class materials, review sheets, and additional problem sets. Because these materials are copyrighted, you do not have the right to copy the handouts, unless permission is expressly granted.

Accessibility.

To access the university’s accessibility policy please go to http://itaccessibility.tamu.edu/. This will assist you with web issues you might be experiencing.
1. **Paper:** You will select a topic from the readings and expound on that topic. Further, you will compile the data, research, or other material you discover into at least a 1000 word essay (this means 1000 words in the body excluding title page, diagrams, or reference page). You should discuss a topic discovered from the text, this could be a person, issue, or reactions to the ideas presented in the text. You need to draw on outside materials to support your findings or arguments in the report; at least two unique references should be used, **do not use the text or Wikipedia. Do not plagiarize!** See previous rule regarding plagiarism. You can check the turnitin.com site for the Originality Report to see how much of your paper is similar to other writings; if it is showing a lot of similarity, I would fix it if I were you.

   1. The paper may contain a small portion of your opinion; however, you need to base your story or argument on the research (other authors).
   2. The report should be between 3-5 pages of text (at least 1000 words), plus additional pages for references, any tables, or any figures.
      a. The first paragraph should be a brief introduction. This introduction must include your rationale for choosing the topic. Why did you choose this topic? It doesn’t need to be long around 100-150 words. It is fun for me to see why you preferred the topic. It is fascinating and makes it worthwhile to read. I care.
   3. Style and formatting should be in accordance with the standards set forth by the *American Psychological Association Publications Manual* (6th ed.). A copy is available in the library. Or, you can find information on the APA website [www.apastyle.org](http://www.apastyle.org). With APA style you need to have APA citations throughout your paper. This shows the reader where you obtained your information. There is additional APA information on the ecampus site.
   4. You need a title page; include on the title page: title of your paper, your name, your course number and title, date turned in, instructor’s name, and university. You **do not** need an abstract. You do need a reference page.

5. **You must submit this online via ecampus. Note: A portion of your grade is on how well you follow these instructions.**

!!!NO PAPERS ON JACKIE ROBINSON, YOU MAY NOT CHOOSE THIS TOPIC!!!

**Course instructions for all students cont.**

2. **Quizzes:** Ten quizzes will be administered during the semester on ecampus, one following each section. The quizzes will be in multiple choice and true-false format. Each quiz is worth 10 points. The quizzes will be opened early during the semester (or maybe even before) and will be closed on the due date indicated in the schedule below at 11:59 p.m. You will need to stay on pace to finish. There is **nothing** preventing you from working ahead of the pace set!

"Course Schedule on the following pages"
Course Schedule:

Modules:

1. What is Sport History?
   Last Day to take this Quiz: September 16th
   Urbanization and the Rise of Sport – p. 8-14
   The New Cultural Sport History – p. 18-24

2. The Making of a Modern Sporting Culture
   Last Day to take this Quiz: September 23rd
   The Great Foot Race of 1835 – p. 54-55
   Thomas W. Higginson Analyzes the American Clergy and Their Need for
   Physical Fitness, 1858 – p. 89-91
   Catharine Beecher Criticizes Women’s Frailty and Recommends What Should Be
   Done About It, 1855 – p. 91-93
   The Spirit of the Times Examines the Founding of the New York Athletic Club,
   1868 – p. 98-99

3. Sport and Higher Education in America
   Last Day to take this Quiz: September 30th
   Coach Walter Camp on Sportsmanship – p. 120-122
   Henry Beach Needham Depreciates the Professionalization of College Athletes, 1905
   – p. 124-126
   The Rise of the Spectator, The Coach, and The Player at the University of
   Chicago, 1895-1905 – p. 129-138

4. The Commercialization and Professionalization of Sports
   Last Day to take this Quiz: October 7th
   184-186
   Supreme Court Justice Oliver Wendell Holmes, Jr., Explains Why Baseball Is Not
   Subject to Antitrust Laws, 1922 – p. 215-217

5. Gender and Sport in Modern America
   Last Day to take this Quiz: October 14th
   Theodore Roosevelt Examines How Sport Makes Boys into Men – p. 243-244
   Senda Berenson Asserts the Value of Adapted Women’s Basketball, 1901 – p.
   251-254
   254-256
   The Early Career of Car Racer Joan N. Cuneo – p. 256-258

(SEE MORE SECTIONS ON THE FOLLOWING PAGE)
6. Race and Ethnicity in American Sport

**Last Day to take this Quiz: October 21st**

- Prejudice Against African-American Ballplayers in the St. Louis *Post-Dispatch*, 1911 – p. 281-282
- I Caught Satchel Paige in the 1930’s – p. 282-283

7. Sports Heroes and American Culture

**Last Day to take this Quiz: October 28th**

- Commonweal Memorializes Christy Mathewson, a Real-Life Merriwell p. 313
- Babe Ruth, the New American Sports Hero, 1920 – p. 318-320
- Joe Louis as African American Hero: The Reminiscences of Maya Angelou, 1938 – p. 320
- Red Grange and American Sport Heroes of the 1920’s – p. 322-326

8. American Women and Sport

**Last Day to take this Quiz: November 4th**

- Billie Jean King Remembers Life as an Outsider in the 1950’s and 1960’s – p. 347-351
- Baylor University Athletic Director Grant Teaff Criticizes the Impact of Title IX on Intercollegiate Football, 1993 – p. 355-357
- Babe Didrikson Zaharias: The “Texas Tomboy” – p. 326-331 *(note: earlier in text)*

9. Sport and Race in America

**Last Day to take this Quiz: November 14th**

- Jackie Robinson on the Struggles of His First Spring Training, 1946 – p. 381-384
- The Thoughts of Muhammad Ali in Exile, 1967 – p. 384
- “Roberto Clemente: Baseball’s ‘Magnificent Militant’” – p. 386
- A Lone Negro in the Game: Jackie Robinson’s Rookie Season p. 388-395

10. The Business of Sport

**Last Day to take this Quiz: November 24th**

- Norris Poulson Reveals How Los Angeles Got the Brooklyn Dodgers in 1958 – p. 409-412
- The Report on Enhancement Performing Drugs in Major League Baseball – p. 419
- The NCAA Monopoly: Revenue, Reform, and Exploitation – p. 426

**Final Paper Due by December 9th. You can turn it in early!**
Texas A&M University
Departmental Request for a New Course
Undergraduate + Graduate + Professional
* Submit original form and attach a course syllabus.

Form Instructions

1. Course request type:  
   ☑ Undergraduate  ☐ Graduate  ☐ First Professional (DDS, MD, JD, PharmD, DVM)

2. Request submitted by (Department or Program Name):  
   Department of Veterinary Integrative Biosciences

3. Course prefix, number and complete title of course:  
   VIBS Introductory Mammalian Histology

4. Catalog course description (not to exceed 50 words):  
   This is an exploratory course which focuses on the biological aspects of the human body by integrating histology and anatomy & physiology. Emphasis will be placed on the transition of cell and tissue organization to organs that comprise mammalian organisms. This course will be structured around convenient online lectures with corresponding in-class discussions, laboratories, and a group work presentation. This course will build upon concepts that were introduced in lower-level biology and build a foundation to prepare students to succeed in upper-level histology, anatomy and physiology, and more specialized courses.

5. Prerequisite(s):  
   None

6. Is this a variable credit course?  
   ☐ Yes  ☑ No
   If yes, from _______ to _______

7. Is this a repeatable course?  
   ☑ Yes  ☐ No
   If yes, this course may be taken _______ times.

8. Will this course be repeated within the same semester?  
   ☐ Yes  ☑ No

9. Will this course be submitted to the Core Curriculum Council?  
   ☑ Yes  ☐ No

10. How will this course be graded?  
    ☑ Grade  ☐ S/U  ☐ P/F (CLMD)

11. This course will be:  
    a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)  
       ☐ No
    b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)
       ☑ BIMS

12. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

13. Prefix  Course #  Title (excluding punctuation)
    VIBS    243  Intro Mammalian Histology

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Approval recommended by:  
Evelyn Tiffany-Castiglioni  
Department Head or Program Chair (Type Name & Sign)  
Date

Department Head or Program Chair (Type Name & Sign)  
(Date if cross-listed course)

Submitted to Coordinating Board by:  
Chair, GC or UCC  
Date

Associate Director, Curricular Services  
Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services - 07/14

{RECEIVED}  
{CURRICULAR SERVICES}  
{NOV 20 2015}
Course Overview
This is an exploratory course which focuses on the biological aspects of the human body by integrating histology and anatomy & physiology. Emphasis will be placed on the transition of cell and tissue organization to organ systems that comprise mammalian organisms. This course will be structured around convenient online lectures with corresponding in-class discussions, laboratories, and a group-work presentation. This course will build upon concepts that were introduced in lower-level biology and build a foundation to prepare students to succeed in upper-level histology, anatomy and physiology, and more specialized courses.

Student Learning Outcomes: Students should be able to:

1. Describe the cells of the human body, explain their ultrastructural make up, identify their general functions, and explain how their organelle content facilitates their functions
2. Describe the organization of cells into tissues, organs, and organ systems in the body, explain how their structure and function make them unique and necessary for life
3. Identify the four basic types of tissue (muscle, nerve, connective tissue, and epithelium), distinguish between the several functions of each, and explain how the structural and functional characteristics of each that make them unique
4. Describe the histologic characteristics of common organs and organ systems of the body and explain how structure facilitates function from cells/organelles to organ systems

Purpose:
At the completion of this course, the students should be able to demonstrate a basic understanding of the biological structure-function relationships of the human body. In the process, it is hoped that each student has an opportunity to:

- Engage in challenging learning experiences which offer them an opportunity to explore varied responses to the mammalian condition
- Practice critical thinking skills by problem solving and organizing presentations
- Broaden their social consciousness by teamwork and group presentations

Lectures
The objective of lectures is to learn about structure-function relationships and how organ architecture facilitates its function. It will be the student’s responsibility to view the easily accessible online lectures prior to the corresponding class discussion and laboratory.

Laboratories
Students will learn cell and tissue appearance and function by viewing interactive digital images of
microscopic slides. Laboratories will be accompanied by group activities that will focus on normal histology as a perquisite for understanding pathology.

**Materials**
The materials required, which will be provided, include:

**Online Lectures** require internet and can be accessed on eCampus and at [www.youtube.com/vibhistology](http://www.youtube.com/vibhistology). Power point slides also accessible online at [http://peer.tamu.edu/histology.asp](http://peer.tamu.edu/histology.asp) with hyperlinks to the images.

**Laboratory Manual** will be available on eCampus. It is modified from “The Biology of Cells and Tissues” produced by the Department of Cell Biology and Anatomy at Southwestern Medical School, which Dr. Johnson co-authored

**Digital Microscopic Slides:** The digital slides can be accessed through eCampus and directly online via hyperlinks of the corresponding power point slides. Due to the unlimited number of computers, please consider bringing a laptop or tablet with internet access for viewing of the slides.

**Course Work**

- **Quizzes** will be taken every two weeks on **Thursdays** and will test all material covered since the last quiz or Mid Term.
- **Clinical Correlation Presentations** will require students to work in a group to present pathology material related to a certain histological lecture. An essay related to the presentation must be submitted. The final essay should range between ¾ to a page, and typed in Times New Roman with 1” margins. Resources should be included and correctly cited.
- **Practical Exams** will test concepts and laboratory identifications.
- **Didactic Exams** will test all material covered in lectures, discussions, laboratories, and presentations.

**Grading**

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Total: 1000

A=900+; B=800-899; C=700-799; D=600-699; F=599-0

**Weekly Course Schedule**
1/19 & 1/21  Lecture- Introduction to Cells, Tissues, and Microscopy  
           Lab- Cell Structure and Microscopy

1/26 & 1/28  Lecture- Anatomy Nomenclature and Procedures  
           Lab- Mock Dissection  
           QUIZ 1

2/2 & 2/4   Lecture- Physiology  
           Lab- Physiology Workshop

2/9 & 2/11  Lecture- Epithelium and Connective Tissue  
           Lab- Epithelium and Connective Tissue  
           QUIZ 2

2/16 & 2/18 Lecture- Cartilage, Bone, and Muscle  
                Lab- Cartilage, Bone, and Muscle

2/16 & 2/18 Lecture- Peripheral Nervous System and Eye  
                Lab- Peripheral Nervous System and Cow Eye Dissection  
                QUIZ 3

2/23 & 2/25  Lecture- Blood and Lymph Vessels  
              Lab- Blood and Lymph Vessels

3/1  Review

3/3  Mid Term

3/8 & 3/10  Lecture- Lymphoid System  
            Lab- Lymphoid System

3/22 & 3/24  Lecture- Endocrine System  
             Lab- Endocrine System  
             QUIZ 4

3/29 & 3/31  Lecture- Integument  
              Lab- Integument

4/5 & 4/7  Lecture- Digestive System, Liver Gallbladder, Pancreas, & Salivary Glands  
           Lab- Digestive System, Liver, Gallbladder, Pancreas, & Salivary Glands  
           QUIZ 5

4/12  Lecture- Respiratory System  
      Lab- Respiratory System
4/14 & 4/19  Lecture- Male and Female Reproductive Systems
     Lab- Male and Female Reproductive Systems
     QUIZ 6

4/21  Lecture- Urinary System
     Lab- Urinary System

4/28  Final

**University Excused Absences:** A university-excused absence is the only excuse acceptable for missing an exam or homework due date. The fact that an absence is a university excused absence does not relieve the student of responsibilities for prior notification and documentation. I must be notified of your excused absence by the second working day after your last day of absence. If this second day is a class day on which an exam is scheduled, you must notify me within 1 working day after your return to class. If the absence is excused, the student will complete the makeup exam on a date agreed upon by the student and me. The makeup exam must be completed in a timeframe not to exceed 30 calendar days from the last day of the initial absence. The makeup exam may be essay and short answer questions. Any university-excused exam, assignment, or makeup exam not completed WILL result in a grad of I (incomplete). The work needed to complete the course must be completed before the last day of classes during the next Fall or Spring semester in which the student is registered. Otherwise, the grade will become an F.

For additional information visit: [http://student-rules.tamu.edu/rule07](http://student-rules.tamu.edu/rule07)

**ADA (Americans with Disabilities Act) Statement:** The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information visit: [http://disability.tamu.edu](http://disability.tamu.edu).

I feel very strongly that anyone who wants to take this course should be able to do so, regardless of physical ability. If you have a disability which requires some special accommodation, please make an appointment with me within the first 2 weeks of the semester to discuss the appropriateness of the instructional methods in this class or any academic adjustments that may be needed.
Plagiarism Statement: The handouts used in this course are copyrighted. By ‘handouts’, I mean all materials generated for this class, which include but are not limited to syllabi, exams, lab problems, in-class materials, review sheets, and additional problem sets. Because these materials are copyrighted, you do not have the right to copy the handouts, unless I explicitly grant permission. As commonly defined, plagiarism consists of the passing off as one’s own ideas, words, writings, etc., which belong to another. In accordance with this definition, you are committing plagiarism if you copy the work of another person and turn it in as your own, even if you should have permission of that person.

Academic integrity Statement
For additional information visit: http://aggiehonor.tamu.edu

“An Aggie does not lie, cheat, or steal, or tolerate those who do.”
Texas A&M University
Departmental Request for a New Course
Undergraduate ♦ Graduate ♦ Professional
- Submit original form and attach a course syllabus.

Form Instructions

1. Course request type:  ☑ Undergraduate  ☐ Graduate  ☐ First Professional (DDS, MD, JD, PharmD, DVM)

2. Request submitted by (Department or Program Name):  Department of Visualization

3. Course prefix, number and complete title of course:  VIST 432 Applied Perception

4. Catalog course description (not to exceed 50 words):
An advanced introduction to perceptual science, including the cognitive, neural and evolutionary processes that undergird perceptual systems as well as the variety of perceptual factors that influence design decisions.

5. Prerequisite(s):
   Visualization major
   Cross-listed with:

   Viewed with:

   Cross-listed courses require the signature of both department heads.

6. Is this a variable credit course?  ☐ Yes  ☑ No  If yes, from ______ to ______

7. Is this a repeatable course?  ☐ Yes  ☑ No  If yes, this course may be taken ______ times.

   Will this course be repeated within the same semester?  ☐ Yes  ☑ No

8. Will this course be submitted to the Core Curriculum Council?  ☐ Yes  ☑ No

9. How will this course be graded?  ☑ Grade  ☐ S/U  ☑ P/F (CL, MD)

10. This course will be:
    a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)
       B.S. in Visualization
    b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

12. ☑ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

13. Prefix  Course #  Title (excluding punctuation)
    VIST  432  Applied Perception

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Approval recommended by:
Timothy McLaughlin  11/11/2015

Department Head or Program Chair (Type Name & Sign)  Date
Chair, College Review Committee  11/11/2015

Department Head or Program Chair (Type Name & Sign)  Date
Dean of College  11/11/2015

Submitted to Coordinating Board by:
Chair, GC or UCC  Date

Associate Director, Curricular Services

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 07/14
VIST 432: Applied Perception  
(3 Credit Hours)

**INSTRUCTOR:** Louis G Tassinary, PhD, JD

**LECTURE PERIODS:** 2 (TTH)

**TERM:** Fall 2015

**MEETING TIMES AND LOCATION:** TBD

**RESOURCES**


**OVERVIEW**
In addition to providing an advanced introduction to perceptual science, the class will also be examining the variety of perceptual factors that influence design decisions.

By the end of this course, students should be able to:

- Identify the cognitive, neural and evolutionary processes that undergird our perceptual systems;
- Make educated deductions as to why, how or when particular constructed products – virtual or otherwise – are designed the way they are;
- Propose novel creations and defend their design based on sound perceptual principles.

**EVALUATION**
Three multiple choice exams, a series of short essays (150-250 words) due at the beginning of each class starting in Week 8 and a final paper (2500 words) at the end of class. Students will also be expected to actively participate in at least four class discussions throughout the semester. The multiple choice exams will each be worth 15% of the final grade. The thirteen short essays will each be worth 2% of the final grade. The final paper will be worth 20% of the final grade and active class participation will be worth 9% of the final grade.

A: 90-99  
B: 80-89  
C: 70-79  
D: 60-69  
F: ≤ 59
ATTENDANCE POLICY
The University views class attendance as the responsibility of an individual student. Attendance is essential to complete the course successfully. University rules related to excused and unexcused absences are located on-line at http://student-rules.tamu.edu/rule07

COSTS
No additional costs beyond the required text are expected for this course.

AMERICANS WITH DISABILITIES ACT (ADA)
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, in Cain Hall, Room B118, or call 845-1637. For additional information visit http://disability.tamu.edu.

ACADEMIC INTEGRITY
“An Aggie does not lie, cheat or steal, or tolerate those who do.” For additional information, please visit: http://aggiehonor.tamu.edu.

STATEMENT OF RESPONSIBILITY
"It is unlawful for any person to damage or deface any of the buildings, statues, monuments, trees, shrubs, grasses, or flowers on the grounds of any state institutions of higher education (Texas Education Code Section 51.204)"

VANDALISM OF UNIVERSITY PROPERTY
The words damage or deface refer specifically to any and all actions, whether direct or indirect, that either diminish the value or mar the appearance of the physical environment. Acts of vandalism are subject to expulsion from the University or other disciplinary action.
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<td><strong>TOUCH</strong> (WKL Chp 13)</td>
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<td><strong>OLFACCTION &amp; TASTE</strong> (WKL Chps 14 &amp; 15)</td>
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<td><strong>INTRODUCTION TO APPLIED PERCEPTION RESEARCH</strong> (HHSPS Chps 1 &amp; 2)</td>
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Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
Submit original form and attach a course syllabus.

1. Course request type: ☑ Undergraduate  □ Graduate  □ First Professional (D.D.S., M.D., D.E., Pharm.D., E.P.N.O.

2. Request submitted by (Department or Program Name): Women's and Gender Studies

3. Course prefix, number and complete title of course: WGST 210 Psychological Aspects of Human Sexuality

4. Catalog course description (not to exceed 50 words): Interface between human sexuality, reproductive development, and gender roles across the lifespan; theoretical and research literature promotes understanding of hormonal influences, learning processes, cultural differences, sexual response, and love and attraction.

5. Prerequisite(s): PSYC 107
(Cross-listed with: PSYC 210  Stacked with: 
Cross-listed courses require the signature of both department heads.

6. Is this a variable credit course? ☑ Yes  □ No  If yes, from ___ to ___

7. Is this a repeatable course? ☑ Yes  □ No  If yes, this course may be taken ___ times.

Will this course be repeated within the same semester? ☑ Yes  □ No

8. Will this course be submitted to the Core Curriculum Council? ☑ Yes  □ No

9. How will this course be graded? ☑ Grade  □ S/U  □ P/F (CLME)

10. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)
   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)
      BA in women's and gender studies, minor in women's and gender studies, undergraduate general academics

11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

12. ☑ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://export-ccb.campusinstitute.org)

13. Prefix  Course #  Title (excluding punctuation)

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Approval recommended by:

Marie Eide 10-30-15
Department Head or Program Chair (Type Name & Sign) Date

Doug Woods 10-30-15
Department Head or Program Chair (Type Name & Sign) Date

Submitted to Coordinating Board by:

Chair, College Review Committee 11-18-15
Dean of College 11-18-15

Associate Director, Curricular Services

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services - 07/14

RECEIVED
NOV 20 2015
CURRICULAR SERVICES
Learning outcomes

PSYC 210 (Human Sexuality) focuses on the psychological aspects of human sexuality, including the interface among sexual behavior, reproductive development, gender roles, and individual identities across the lifespan. Topics include cultural influences on sexuality, hormones, physical sexual development, sexual behavior, love and attraction, and sexual violence. Both biological and psychological principles are covered.

By the end of this course, you should be able to...

1. Describe the roles that cultural contexts play in sexuality and sexual behavior.
2. Explain the biological changes and processes related to sex and reproduction.
3. Identify reproductive and sexual health risks and problems, as well as treatments and strategies for reducing risks.
4. Discuss sexual identity, love, and attraction.
5. Distinguish among several types of sexual violence and "sex for sale" and identify some of their causes.

While taking this course, you should recognize...

There is a wide variety of sexual behavior and sex-related experiences. We cannot cover all of these in class, but we will cover many. Some of the topics might seem strange, awkward, or even funny to you. Keep in mind that we all come to this course from a wide variety of backgrounds and experiences, some of which are not obvious to the casual observer or classmate. When we’re discussing a topic, we’re discussing the experiences of someone in this class, or the experiences of someone who is loved by a person in this class. With that in mind, we should approach the material, each other, and ourselves with respect, compassion, and patience.

Keep in mind we will be looking at and discussing sexually-explicit material in class and in the textbook. There are biologically accurate drawings, photographs, and videos.

Contact information and office hours

Email: mindybergman@tamu.edu
**Best way to reach me**

Campus phone: 979-845-9707

Office hours: Tuesdays 11:00 am - 1:00 pm or by appointment (made by email only)

Office: 240 Psychology Building
Course materials

Required textbook
ISBN-10: 0205988008

An ebook only package can be purchased from http://www.pearsonmylabandmastering.com/northamerica/
Login as a student and be sure to use our course ID: bergman26914

Additional materials
Use your NetID and password to login to http://ecampus.tamu.edu.
Course notes, assignments, and review materials will be posted at ecampus. Make it your habit to check in there at least twice a week.

Course requirements

Your grade will be based on a photo assignment, mini writing assignments, and exams.

Photo assignment
A short assignment asking for information about you and a photo is due in class on the second class day. This assignment is worth 8 possible points.

Mini writing assignments
Mini writing assignments will be given online through links on ecampus. Students are expected to complete at least one per chapter, but can only earn credit for one mini assignment per chapter (2 points each, for 32 possible points). There will be several writing prompts to select from in each chapter. Deadlines will be listed on ecampus.

Because some of the topics will be sensitive in nature, assignments will be graded for completion only and will be submitted using only your UNI to a non-university website (Qualtrics). A grader will enter grades so I will never know what you personally wrote. Some of comments will be used in class (without identification). You can opt in or out of permitting your answers to be used in class on an answer-by-answer basis.

Note that students can complete more than one assignment per chapter, but students earn credit for one assignment only in each chapter.

Exams
Three exams will be given during the semester (including the final exam). Any material from the lecture and/or the textbook could appear on exams. You will need to bring a pencil and a grey 8 1/2” X 11” TAMU scantron for each test.

You will need to purchase scantrons in advance of the exams. Scantrons can become scarce when exam time rolls around, so purchase some now.

Exams 1 & 2 will contain 60 multiple-choice questions. They will cover six chapters each, as listed on the course schedule. They will be given during the regular class period.

Exam 3 will be given during the final exam period and will contain 90 multiple-choice questions. It will cover 4 chapters of new material (approx. 40 questions) and 11 chapters of previous material (approx. 50 questions) as a cumulative review of the semester. Chapter 15 (sexual violence and victimization) will be excluded from the cumulative material on the final exam.

MISSING AN EXAM

Missing an exam is a serious event. The University outlines excusable absences (University Rule #7 – http://studentrules.tamu.edu/rule7). Please contact the instructor to make arrangements for a make-up exam.
Grading

The assignments and exams described above equal the following possible points:

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<th>Points</th>
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<td>Mini assignments</td>
<td>32</td>
</tr>
<tr>
<td>Exam 1</td>
<td>60</td>
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<tr>
<td>Exam 2</td>
<td>60</td>
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<tr>
<td>Exam 3 (Final)</td>
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</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>250</strong></td>
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</table>

The following grading scale will be used to assign grades at the end of the semester.
(This will NOT change.)

<table>
<thead>
<tr>
<th>Grade</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>220-250</td>
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<tr>
<td>B</td>
<td>195-219</td>
</tr>
<tr>
<td>C</td>
<td>170-194</td>
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<tr>
<td>D</td>
<td>145-169</td>
</tr>
<tr>
<td>F</td>
<td>144 &amp; below</td>
</tr>
</tbody>
</table>

GRADE A blastocyst from an in vitro fertilization (IVF) cycle. Grade A blastocysts are the most desirable to transfer during an IVF cycle because they have the highest probability of resulting in a successful pregnancy. Photo from https://www.advancedfertility.com/blastocystimages.htm

Ask questions
It can be hard to ask questions in this class because of the personal nature of some of the topics. But if you're wondering it, someone else probably is too.

Don't be afraid of being wrong
Good students are often wrong! Good students take risks and try to delve deeply into the material. Sometimes that will result in a miss, but in the long run, these kinds of students get more hits.

Write good emails to me
Be clear about what you need. Be concise. I use good grammar. All of these strategies help me understand what you need and will save me time—giving me more time to answer your questions. (Also, please sign your emails! I don't have a rzebh8r on my class roster.)

Read the syllabus
Many of your questions are answered RIGHT HERE in the syllabus! Check the syllabus for important information. This will save us both valuable time. You can ALWAYS find the syllabus on ecampus.

Seek help for difficult material
It is my job to help you learn this material. Ask questions that pinpoint your concerns. Be prepared.

  - Prepared: In chapter 7, what is the difference between doulas and midwives?
  - Unprepared: So, um, Chapter 10. Yeah, I don't get that. Can you explain it to me?

Seek help for studying
Come see me if you feel like you are working harder than your grades show. We can work together to figure out how to improve your reading and studying skills. Please do not wait until the last week of the semester for help. I can still help you then, but we won’t be able to undo the past. Come see me early in the semester and visit often! (Make an appointment if my office hours don’t fit your schedule.)

Don't wait until the last minute
NO ONE works better at the last minute—me or you. Give us both the time we need.

Some advice on earning a good grade

Read and take notes
Read a little bit of the book every day. It should take you 3 hours to read a chapter in the textbook, take notes, and think. Take good notes as you read the book. Do more than highlight.

Use the textbook the right way
Your textbook has cues to help you study. Use the learning objectives at the start of the chapter to help you organize your studying and to see the goals of the chapter. Use the chapter summary to help you review. Some students like to read the summary first!

Come to class - prepared and paying attention
Read ahead of the class session. Come to class on time and ready to take notes. Research shows that students learn more when they take notes by hand instead of via computer.
Course and university policies

ADA statement
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services Building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information visit http://disability.tamu.edu.

Attendance
Attendance is important. You will be responsible for material presented in class and in the text. These will overlap but will not be exactly the same. It is in your best interest to come to class every day. If you come to class late or plan to leave early, please sit as near as possible to the door and the end of an aisle to minimize disruptions. I would rather you attend part of class than none.

Electronic devices
Electronic devices should be used solely for learning purposes during class. Please silence devices during class. Failure to silence your electronic devices or using them inappropriately may result in you being asked to leave the classroom.

Cheating
It is important that you do not cheat and that you avoid the appearance of cheating. It is the policy of this course to pursue cases of academic dishonesty to the highest possible level. For additional information, please visit http://aggiehonor.tamu.edu

Bonus points and extra credit
Bonus points are already built into the grading scale. Additionally, I think it is unfair to keep students from knowing all of the opportunities to earn points until the end of the semester. Therefore, there are no additional opportunities to earn points in this class, beyond those listed in the syllabus. You already know about every opportunity to get the grade that you want to earn, so you can plan your semester accordingly.

At the end of the semester, there will be no "grade bumps" or extra credit. The grade you earn is the grade you receive. Asking me to record a grade that you did not earn is asking me to cheat on your behalf. Doing so would be a serious academic offense. I will not record any grades that were not earned. Please respect the ethics of professors and do not ask for a grade bump.

Opinions vs. facts
Like many courses in the social sciences, there will be a number of issues this semester where people can have differing opinions about the behavior. Your grade will be based on whether you understand the facts, as presented in the textbook and the lectures, not opinions—yours or mine. This goes both ways: it protects you because you don't have to agree with anyone but yourself to earn a good grade but it also makes you responsible for understanding the scientific evidence regardless of your opinions about the topic.

Questions?
Please ask! See me after class, stop by during office hours, or email me.

IN THE NEWS

Gardasil 9
The FDA recently approved a new form of the Gardasil vaccine, which would cover nine strains of the human papillomavirus (up from four strains in the original).

Tiffany & Co.
In early 2015, the iconic jewelry store featured a same-sex couple as part of their "Will You?" ad campaign.

Hobby Lobby vs. Burwell (2014)
Many people in the medical community were concerned by this Supreme Court case because it misrepresented how some forms of birth control work.
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<thead>
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<th>WEEK</th>
<th>Day</th>
<th>Readings and Course Topics</th>
<th>Other important notes</th>
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<tbody>
<tr>
<td>1</td>
<td>Tuesday</td>
<td>Introduction to the course</td>
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<tr>
<td></td>
<td>Thursday</td>
<td>Chapter 1 (Intro to Human Sexuality as a Scientific Topic)</td>
<td>Photo assignment <em>due in class</em></td>
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<tr>
<td>2</td>
<td>Tuesday</td>
<td>CH. 2 (Anatomy)</td>
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<td>CH. 3 (Hormones)</td>
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<td>3</td>
<td>Tuesday</td>
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<td>CH. 10 (Development)</td>
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<td>CH. 7 (Pregnancy and Childbirth)</td>
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<tr>
<td>5</td>
<td>Tuesday</td>
<td>Catch-up and review</td>
<td><em>Last chance:</em> &quot;Most interesting&quot; minis due for Ch. 1-3, 6, 7, 10</td>
</tr>
<tr>
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<td>Thursday</td>
<td><strong>Exam 1: Chapters 1-3, 10, 6, 7</strong></td>
<td>Bring scantron, pencil, photo ID.</td>
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<tr>
<td>6</td>
<td>Tuesday</td>
<td>CH. 8 (Identity and Roles)</td>
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<td>CH. 8 (Identity and Roles)</td>
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<tr>
<td></td>
<td></td>
<td>CH. 9 (Orientations)</td>
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<td>7</td>
<td>Tuesday</td>
<td>CH. 9 (Orientations)</td>
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<td></td>
<td>Thursday</td>
<td>CH. 15 (Violence and Victimization)</td>
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<td>8</td>
<td>Tuesday</td>
<td>CH. 15 (Violence and Victimization)</td>
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<td></td>
<td>Thursday</td>
<td>CH. 4 (Sexual Responses)</td>
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<td>CH. 13 (Sexual Problems and Therapy)</td>
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<td>Thursday</td>
<td>CH. 13 (Sexual Problems and Therapy)</td>
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<td>10</td>
<td>Tuesday</td>
<td>CH. 11 (Adult Behaviors and Attitudes)</td>
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<td>Thursday</td>
<td>CH. 11 (Adult Behaviors and Attitudes)</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Tuesday</td>
<td>Catch-up &amp; review</td>
<td><em>Last chance:</em> &quot;Most interesting&quot; minis due for Ch. 4, 8, 9, 11, 13, 15</td>
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<tr>
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<td>Thursday</td>
<td><strong>Exam 2: Chapters 4, 8, 9, 11, 13, 15</strong></td>
<td>Bring scantron, pencil, photo ID.</td>
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<tr>
<td>12</td>
<td>Tuesday</td>
<td>CH. 12 (Love &amp; Relationships)</td>
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<td></td>
<td>Thursday</td>
<td>CH. 12 (Love &amp; Relationships)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>CH. 14 (Paraphilias and Sexual Variants)</td>
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<tr>
<td>13</td>
<td>Tuesday</td>
<td>CH. 14 (Paraphilias and Sexual Variants)</td>
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<td></td>
<td>Thursday</td>
<td>CH. 5 (Infections)</td>
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</tr>
<tr>
<td>14</td>
<td>Tuesday</td>
<td>CH. 5 (Infections)</td>
<td><em>Last chance:</em> &quot;Most interesting&quot; minis due for Ch. 5, 12, 14, 26</td>
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<tr>
<td></td>
<td>Thursday</td>
<td>CH. 16 (Selling Sex)</td>
<td>Bring scantron, pencil, photo ID.</td>
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<tr>
<td><strong>FINAL EXAM</strong></td>
<td>See Final Exam Schedule (registrar.tamu.edu)</td>
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<td></td>
<td><strong>FINAL EXAM</strong></td>
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<tr>
<td></td>
<td></td>
<td>New material, Chapters 5, 12, 14, 16, approximately 50 questions.</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>Cumulative material, approximately 50 questions (excludes chapter 15).</td>
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</table>
CHANGE IN COURSES
Texas A&M University

Departmental Request for a Change in Course
Undergraduate * Graduate * Professional
Submit original form and attachments

Form Instructions
1. Course request type:  
   - [ ] Undergraduate  
   - [ ] Graduate  
   - [ ] First Professional (DDS, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name):  Department of Aerospace Engineering
3. Course prefix, number and complete title of course:  AERO 291 Research

4. Change requested
   a. Prerequisite(s): From:  
   b. Withdrawal (reason):  
   c. Cross-list with:  
   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.
   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.
5. Is this an existing core curriculum course?
   - [ ] Yes  
   - [ ] No
6. If grade type is changing for existing course, indicate the new grade type:  
   - [ ] Grade  
   - [ ] S/U  
   - [ ] P/F (CLMD)
7. If this course will be stacked, please indicate the course number of the stacked course:  
   - [ ] I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-control-basics-for-distance-education).
8. Complete current course title and current catalog course description:
   AERO 291 Research: Credits 1 to 4. Research conducted under the direction of faculty member in aerospace engineering. May be repeated 3 times for credit. Prerequisites: Freshman or sophomore classification and approval of instructor.

9. Complete proposed course title and proposed catalog course description (not to exceed 50 words):
   AERO 291 Research: Credits 0 to 4. Research conducted under the direction of faculty member in aerospace engineering. May be repeated 3 times for credit. Prerequisites: Freshman or sophomore classification and approval of instructor.

(Purpose is to allow for zero credit hours.)

10. As currently in course inventory:

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<tr>
<th>Prefix</th>
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<th>Title (excluding punctuation)</th>
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<tbody>
<tr>
<td>AERO</td>
<td>291</td>
<td>RESEARCH</td>
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<th>Lab.</th>
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<th>Admin. Unit</th>
<th>FICE Code</th>
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<td>0100</td>
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b. Change to:

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<tr>
<th>Prefix</th>
<th>Course #</th>
<th>Title (excluding punctuation)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AERO</td>
<td>291</td>
<td>RESEARCH</td>
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<tr>
<th>Lect.</th>
<th>Lab.</th>
<th>Other</th>
<th>SCI</th>
<th>CIP and Fund Code</th>
<th>Admin. Unit</th>
<th>Acad. Year</th>
<th>FICE Code</th>
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<td>4.00</td>
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<td>0100</td>
<td>16 - 17</td>
<td>0 0 3 6 3 2</td>
<td>2</td>
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</tbody>
</table>

11. Approval recommended by:
    James G. Boyd  
    Department Head or Program Chair (Type Name & Sign)  Date
    Chair, College Review Committee  Date

Department Head or Program Chair (Type Name & Sign)  Date
(If cross-listed course)

Submitted to Coordinating Board by:

Associate Director, Curricular Services  Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu.
Curricular Services – 08/14
Texas A&M University

Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
Submit original form and attachments

Form Instructions
1. Course request type: □ Undergraduate  □ Graduate  □ First Professional (DDS, MD, JD, PharmD, DVM)

2. Request submitted by (Department or Program Name): Department of Aerospace Engineering

3. Course prefix, number and complete title of course: AERO 491 Research

4. Change requested
   a. Prerequisite(s): From: ____________________________ To: ____________________________
   b. Withdrawal (reason): ____________________________
   c. Cross-list with: ____________________________

   Cross-listed courses require the signature of both department heads.

   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.

   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course? □ Yes  □ No

6. If grade type is changing for existing course, indicate the new grade type: □ Grade  □ S/U  □ P/F (CLMD)

7. If this course will be stacked, please indicate the course number of the stacked course:
   □ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

8. Complete current course title and current catalog course description:
   AERO 491 Research: Credits 1 to 4. Research conducted under the direction of faculty member in aerospace engineering. May be repeated 3 times for credit. Prerequisites: Junior or senior classification and approval of instructor.

9. Complete proposed course title and proposed catalog course description (not to exceed 50 words):
   AERO 491 Research: Credits 1 to 4. Research conducted under the direction of faculty member in aerospace engineering. May be repeated 3 times for credit. Prerequisites: Junior or senior classification and approval of instructor.

(Purpose is to allow for zero credit hours.)

10. As currently in course inventory:

    | Prefix | Course # | Title (excluding punctuation) |
    |--------|----------|-----------------------------|
    | AERO   | 491      | RESEARCH                    |
    | Lect.  | 4.00     | Lab 4.00                    |
    | Lab    | SCH 4.00 | CIP and Fund Code 14.0201.00 |
    | Other  | Admin. Unit 0100 | FICE Code 03632 |
    |       | Level 4  |                             |

b. Change to:

    | Prefix | Course # | Title (excluding punctuation) |
    |--------|----------|-----------------------------|
    | AERO   | 491      | RESEARCH                    |
    | Lect.  | 4.00     | Lab 4.00                    |
    | Lab    | SCH 4.00 | CIP and Fund Code 14.0201.00 |
    | Other  | Admin. Unit 0100 | FICE Code 03632 |
    |       | Level 4  |                             |

Approval recommended by:

James G. Boyd
Department Head or Program Chair (Type Name & Sign) Date
Chair, College Review Committee
Dean of College

Submitted to Coordinating Board by:

Associate Director, Curricular Services

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 08/14

[Stamp: RECEIVED D OCT 29 2015 CURRICULAR SERVICES]
Texas A&M University

Departmental Request for a Change in Course

Undergraduate • Graduate • Professional
• Submit original form and attachments •

Form Instructions

1. Course request type: [☑ Undergraduate] [□ Graduate] [□ First Professional (DDS, MD, JD, PharmD, DVM)]

2. Request submitted by (Department or Program Name): Architecture

3. Course prefix, number and complete title of course: ARCH 216 - Computational Methods in Architecture

4. Change requested
   a. Prerequisite(s): From: ENDS 116 or approval of instructor To: None
   b. Withdrawal (reason):
   c. Cross-list with:

   Cross-listed courses require the signature of both department heads.

d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.

   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course?
   [☐ Yes] [☐ No]

6. If grade type is changing for existing course, indicate the new grade type: [☐ Grade] [☐ S/U] [☐ P/F (CLMD)]

7. If this course will be stacked, please indicate the course number of the stacked course:

   I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

8. Complete current course title and current catalog course description:

   Computational Methods in Architecture (2-2). Credit 3. Software and processes for computation design in architecture; image editing and creation, vector drawing, 3D modeling, parametric modeling, rendering techniques and simulation.

9. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

10. As currently in course inventory:

    Prefix  Course #  Title (excluding punctuation)
    ARCH      216    Comput Methods in Arch

    Lect.  Lab  Other  SCH  CIP and Fund Code  Admin. Unit  FICE Code  Level
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b. Change to:

   Prefix  Course #  Title (excluding punctuation)

   Lect.  Lab  Other  SCH  CIP and Fund Code  Admin. Unit  FICE Code  Level

   Approval recommended by: Leslie Feigenbaum
   Department Head or Program Chair (Type Name & Sign) Date

   Leslie Feigenbaum
   Chair, College Review Committee Date

   Leslie Feigenbaum
   Dean of College Date

   Department Head or Program Chair (Type Name & Sign) Date
   (If cross-listed course)

   Submitted to Coordinating Board by: Chair, GC or UCC Date

   Associate Director, Curricular Services Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.

Curricular Services – 08/14

RECEIVED NOV. 7, 2015 CURRICULAR SERVICES
ARCH 216 – Computational Methods in Architecture

Removing ENDS 116 as it will no longer be listed/offered in the new EDAS curriculum.
Texas A&M University
Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
• Submit original form and attachments •

Form Instructions
1. Course request type:
   ☑ Undergraduate ☐ Graduate ☐ First Professional (DOS. MD. JD. Ph.D. DVM)
  Architecture

2. Request submitted by (Department or Program Name):

3. Course prefix, number and complete title of course:
   ARCH 317 - Digital Fabrication for Architecture

4. Change requested
   a. Prerequisite(s): From
   b. Withdrawal (reason): ________________________________
   c. Cross-list with:

   Cross-listed courses require the signature of both department heads.

   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.

   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course?
   ☐ Yes ☑ No

6. If grade type is changing for existing course, indicate the new grade type:
   ☐ Grade ☐ S/U ☐ P/F (CLAD)

7. If this course will be stacked, please indicate the course number of the stacked course:
   ☐

8. Complete current course title and current catalog course description:
   Digital Fabrication for Architecture (1-4). Credit 3. Digital fabrication for architecture including software, numerically controlled tools, translation applications and management strategies for digital fabrication workflows; production of building components from three dimensional datasets of virtual architecture proposals.

9. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

10. As currently in course inventory:

 Prefix | Course # | Title (excluding punctuation) |
---|---|---|
ARCH | 317 | Digital Fabrication for Arch |

<table>
<thead>
<tr>
<th>Lect</th>
<th>Lab</th>
<th>Other</th>
<th>SCH</th>
<th>CIP and Fund Code</th>
<th>Admin. Unit</th>
<th>HICE Code</th>
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b. Change to:
Prefix | Course # | Title (excluding punctuation) |
---|---|---|

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<th>Lect</th>
<th>Lab</th>
<th>Other</th>
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<th>CIP and Fund Code</th>
<th>Admin. Unit</th>
<th>Acad. Year</th>
<th>HICE Code</th>
</tr>
</thead>
</table>

Approval recommended by:
Ward V. Wells
Department Head or Program Chair (Type Name & Sign) Date

Leslie Feigenbaum
Chair, College Review Committee Date

Leslie Feigenbaum
Dean of College Date

Submitted to Coordinating Board by:
Chair, GC or UCC Date

Associate Director, Curricular Services Date

Questions regarding this form should be directed to Sandra Williams at 845-8301 or sandra-williams@tamu.edu.
Curricular Services – 08/14
ARCH 317 – Digital Fabrication for Architecture

Removing ENDS 106 as it will no longer be listed/offered in the new EDAS curriculum. In addition, we are adding ARCH 216 as it is in alignment with this course.
Texas A&M University
Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
• Submit original form and attachments •

Form Instructions

1. Course request type: ☑ Undergraduate ☐ Graduate ☐ First Professional (DDS, MD, JD, PharmD, DTM)

2. Request submitted by (Department or Program Name): Architecture

3. Course prefix, number and complete title of course: ARCH 433 - Architectural Lighting

4. Change requested:
   a. Prerequisite(s): From: Junior or senior classification To: ARCH 335 or Junior or senior classification in EDAS
   b. Withdrawal (reason):
   c. Cross-list with:

   Cross-listed courses require the signature of both department heads.

d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b.

e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

f. Is this an existing core curriculum course? ☐ Yes ☑ No

5. If grade type is changing for existing course, indicate the new grade type: ☐ Grade ☐ S/U ☐ P/F (CLMD)

6. If this course will be stacked, please indicate the course number of the stacked course:

   I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://ypx.tamu.edu/resources/export-controls/export-control-basics-for-distance-education).

9. Complete current course title and current catalog course description:
   Theory and practice of lighting design as an art and science; aperture design for sunlight control; selecting and locating luminaries to enhance interior and exterior surfaces and spaces.

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

11. a. As currently in course inventory:

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Course #</th>
<th>Title (excluding punctuation)</th>
</tr>
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<tbody>
<tr>
<td>ARCH</td>
<td>433</td>
<td>Architectural Lighting</td>
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</tr>
<tr>
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b. Change to:

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<th>Course #</th>
<th>Title (excluding punctuation)</th>
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</table>

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<thead>
<tr>
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<th>Lab</th>
<th>Other</th>
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<th>Admin. Unit</th>
<th>Acad. Year</th>
<th>FICE Code</th>
<th>Level</th>
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<tbody>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Approval recommended by:

Department Head or Program Chair (Type Name & Sign) Date

Chair, College Review Committee Date

Dean of College Date

Submitted to Coordinating Board by:

Chair, GC or UCC Date

Associate Director, Curricular Services

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandy.williams@tamu.edu
Curricular Services – 08/14
ARCH 433 – Architectural Lighting

Topics covered in ARCH 335 (Architectural Systems) are required for students to understand the class content of ARCH 433 (Architectural Lighting). The class is for EDA Junior or Senior classification.
Texas A&M University
Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
Submit original form and attachments

Form Instructions
1. Course request type:  
   ✔ Undergraduate  ☐ Graduate  ☐ Final Professional (DMD, MD, JD, PharmD, JPM)
2. Request submitted by (Department or Program Name):  
   Department of Biomedical Engineering
3. Course prefix, number and complete title of course:  
   BMEN 428-Microcontrollers and Communications in Medical Devices

Attach a brief supporting statement for changes made to items 4a through 4d and 10 below.

4. Change requested
   a. Prerequisite(s): From:  
      To:
   b. Withdrawal (reason):  
   c. Cross-list with:
   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.
   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course?  
   ✔ Yes  ☐ No

6. If grade type is changing for existing course, indicate the new grade type:  
   ☐ Grade  ☐ S/U  ☐ P/F (CLM0)

7. If this course will be stacked, please indicate the course number of the stacked course:
   ☐ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-control/export-control-basics-distance-education).

8. Complete current course title and current catalog course description:

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

11. As currently in course inventory:

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Course / Title (excluding punctuation)</th>
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<tbody>
<tr>
<td>BMEN 428</td>
<td>MICROCNTRL &amp; COMM IN MED</td>
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<tr>
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<td>Level 4</td>
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b. Change to:

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Course / Title (excluding punctuation)</th>
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</thead>
<tbody>
<tr>
<td>BMEN 428</td>
<td>MICROCNTRL &amp; COMM IN MED</td>
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</table>

<table>
<thead>
<tr>
<th>Lect.</th>
<th>Lab</th>
<th>Other</th>
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<th>CIP and Fund Code</th>
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</tr>
</tbody>
</table>

Approval recommended by:  
Department Head or Program Chair (Type Name & Sign)  11/17/15  
Chair, College Review Committee  11/23/2015  
Dean of College  11/23/2015

Submitted to Coordinating Board by:  
Chair, GC or UCC  11/23/2015  
Associate Director, Curricular Services  11/23/2015  
Effective Date  11/23/2015

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services -- 08/14
Course title and number: BMEN 428, Microcontrollers and Communications in Medical Devices

Term: Fall 2016

Meeting times and location: MW 4:10-5:25, 5039 ETB

Course Description and Prerequisites

Prerequisite: BMEN 211, or approval of instructor

This course will cover the principles of embedded system architecture and programming as well as an introduction of wireless communication systems. It will provide hands-on experiences of how an embedded system could be used to solve problems in biomedical engineering, culminating in projects on wireless wearable sensors and imaging for medical devices.

Learning Outcomes

At the end of this course, students will be able to:

- Demonstrate knowledge of software and hardware architecture in microcontrollers
- Create basic sensors and circuit interfaces for microcontrollers
- Develop software and program wired or wireless communication modules for the microcontrollers.
- Create basic real-time signal processing and conditioning techniques for microcontrollers

Instructor Information

Name: Dr. Roozbeh Jafari
Telephone number: 979-862-8098
Email address: rjafari@tamu.edu
Office hours: TBA
Office location: 5010 ETB

Textbook and/or Resource Material

Required:
MSP430 Microcontroller Basics, Author: John H. Davies, Publisher: Newnes (September 4, 2008), ISBN: 0750682760

Optional:

Grading Policies

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>90-100%</td>
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<td>B</td>
<td>80-89%</td>
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<tr>
<td>C</td>
<td>70-79%</td>
</tr>
<tr>
<td>D</td>
<td>60-69%</td>
</tr>
<tr>
<td>F</td>
<td>&lt;60%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Midterm exam</td>
<td>25%</td>
</tr>
<tr>
<td>Final exam</td>
<td>25%</td>
</tr>
<tr>
<td>Project</td>
<td>40%</td>
</tr>
<tr>
<td>Homework and Quiz</td>
<td>10%</td>
</tr>
</tbody>
</table>
Project

Students will select the project topic at the beginning of the semester. Projects will be completed in teams of three.

| Project Management, Teamwork and Documentation | 20% |
| Final Project Demonstration                  | 60% |
| Final Project Presentation                   | 10% |
| Final Project Report                         | 10% |

Attendance and Make-up Policies

The University views class attendance as the responsibility of an individual student. Attendance is essential to complete the course successfully. University rules related to excused and unexcused absences are located on-line at http://student-rules.tamu.edu/rule07.

Course Topics, Tentative Calendar of Activities

<table>
<thead>
<tr>
<th>Week</th>
<th>Lectures</th>
<th>Labs</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Introduction to Embedded Computing</td>
<td>Tutorial</td>
</tr>
<tr>
<td>2</td>
<td>Architecture, Instruction Set and Clocks</td>
<td>Tutorial</td>
</tr>
<tr>
<td>3</td>
<td>Polling and Interrupts</td>
<td>Clocks and Low Power Modes</td>
</tr>
<tr>
<td>4</td>
<td>Low Power Modes</td>
<td>Clocks and Low Power Modes</td>
</tr>
<tr>
<td>5</td>
<td>Timers</td>
<td>GPIO and LCD</td>
</tr>
<tr>
<td>6</td>
<td>Digital IO Interfaces</td>
<td>ADC and Sensors</td>
</tr>
<tr>
<td>7</td>
<td>Analog to Digital Converters (ADCs) and Digital to Analog Converters (DACs) <strong>Midterm Exam</strong></td>
<td>ADC and Sensors</td>
</tr>
<tr>
<td>9</td>
<td>Serial Communications</td>
<td>Bio-potential/Bio-photonic Sensing</td>
</tr>
<tr>
<td>10</td>
<td>Wireless Communications</td>
<td>Wireless Communications</td>
</tr>
<tr>
<td>11</td>
<td>Wireless Communications</td>
<td>Final Project</td>
</tr>
<tr>
<td>12</td>
<td>Signal Processing and Conditioning</td>
<td>Final Project</td>
</tr>
<tr>
<td>13</td>
<td>Application Case Studies with Physiological Sensors</td>
<td>Final Project</td>
</tr>
<tr>
<td>14</td>
<td>Final Project Demonstrations <strong>Project Due</strong></td>
<td>Final Project</td>
</tr>
<tr>
<td>15</td>
<td><strong>Final Exam</strong></td>
<td></td>
</tr>
</tbody>
</table>

Americans with Disabilities Act (ADA)

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, in Student Services @ White Creek, or call 979-845-1637. For additional information visit http://disability.tamu.edu

Academic Integrity

For additional information please visit: http://aggiehonor.tamu.edu

“An Aggie does not lie, cheat, or steal, or tolerate those who do.”
Texas A&M University
Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
* Submit original form and attachments *

Form Instructions
1. Course request type: ☑ Undergraduate ☐ Graduate ☐ First Professional (ex., DVM, JD, MD, etc.)
2. Request submitted by (Department or Program Name): Arlie McFerrin Department of Chemical Engineering
3. Course prefix, number and complete title of course: CHEN 204 Elementary Chemical Engineering

Attach a brief supporting statement for changes made to items in the Ad and 5 below.

4. Change requested:
   a. Prerequisite(s): From: ________________________________ To: ________________________________
   b. Withdrawal (reason): ________________________________
   c. Cross-list with:

   Cross-listed courses require the signature of both department heads.

d. Change in course title and description. Enter complete current course title and current course description in item 5; enter proposed course title and proposed course description in item 6. Complete item 7 for change in title.

e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 7. Attach a course syllabus.

5. Is this an existing core curriculum course? ☐ Yes ☑ No

6. If this course will be stacked, please indicate the course number of the stacked course: ________________________________

7. I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-control-basics-for-distance-education).

8. Complete current course title and current catalog course description:
   Solution of elementary problems by application of mass balances, energy balances and equilibrium relationships. Prerequisite: Admission to chemical engineering major or approval of instructor.

Complete proposed course title and proposed catalog course description (not to exceed 50 words):
Solution of elementary problems by application of mass balances, energy balances and equilibrium relationships. Prerequisite: CHEM 102 and CHEM 112 and ENGR 112 and MATH 152 and PHYS 218 all with grade of C or better, admission to chemical engineering major, or approval of instructor.

10. As currently in course inventory:

<table>
<thead>
<tr>
<th>Prefix</th>
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<th>Title (excluding punctuation)</th>
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<tr>
<td>CHEN</td>
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<td></td>
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<tr>
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b. Change to:

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<th>Title (excluding punctuation)</th>
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<tr>
<td></td>
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<td>Admin. Unit FICE Code Level</td>
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<td></td>
<td>00 36 32 2</td>
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</table>

Approval recommended by: ___________________________ Level 2

Department Head or Program Chair (Type Name & Sign) Date
Chair, College Review Committee Date
Dean of College Date

Submitted to Coordinating Board by: _______________
Chair, GC or UCC Date

Associate Director, Curricular Services Date
Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 04/14

RECEIVED
OCT 15 2015
ESSAP

CURRICULAR SERVICES
RECEIVED
OCT 21 2015
TO: Dr. Tim Scott, Chair
University Curriculum Committee

THROUGH: Dr. Valerie Taylor
Dwight Look College of Engineering

Dr. M. Nazmul Karim, Department Head
Artie McFerrin Department of Chemical Engineering

FROM: Dr. Victor Ugaz, Associate Head
Undergraduate Studies, Artie McFerrin Department of Chemical Engineering

DATE: October 9, 2015

SUBJECT: Changes in Curriculum – Course Prerequisites and Contact Hours

The Artie McFerrin Department of Chemical Engineering Undergraduate Curriculum Committee is requesting the following changes in the Chemical Engineering curriculum. These changes impact prerequisite requirements and contact hours associated with our sophomore-level gateway course CHEN 204 – Elementary Chemical Engineering.

Change in Course Prerequisite
CHEN 204. Elementary Chemical Engineering.
- Current prerequisite: Admission to Chemical Engineering major or approval of instructor.
- Proposed prerequisite: CHEM 102 and CHEM 112 and ENGR 112 and MATH 152 and PHYS 218 all with grade of C or better, admission to chemical engineering major; or approval of instructor.

Rationale for proposed change: The undergraduate catalog currently indicates in a footnote that all freshman-year courses must be passed with a grade of C or better, but does not explicitly specify when they must be completed. The proposed prerequisite change is intended to clarify the expectation that completion of the above mentioned courses is expected prior to enrollment in CHEN 204. The learning objectives in CHEN 204 presume that students have previously demonstrated knowledge and mastery of the material in these freshman-year courses.

Change in Contact Hours
CHEN 204. Elementary Chemical Engineering.
- Current contact hours: 3-hour lecture, 0-hour lab, 3 SCH.
- Proposed contact hours: 2-hour lecture, 3-hour lab, 3 SCH.

Rationale for proposed change: This change reflects inclusion of contact time devoted specifically to problem solving and guided practice. Our recent experience suggests that organizing the course delivery in this way contributes to student success. The addition of dedicated lab contact hours is intended to enable formal implementation of this instructional format.
CHEN 204 Syllabus - Spring 2016

CHEN 204, Elementary Chemical Engineering, 3 Credits (2-3), Required course for a B.S in Chemical Engineering

Course (catalog) description: Solution of elementary problems by application of mass balances, energy balances, and equilibrium relationships

Course Prerequisites: CHEM 102/112 and ENGR 112 and MATH 152 and PHYS 218 all with grade of C or better, admission to chemical engineering major; or approval of instructor.

Course Learning Outcomes:
By the end of the course, students should be able to do the following:

1. Recognize chemical engineering nomenclature. Know systems of units and dimensions. Define and relate process variables. Learn basic unit operations of chemical processes and describe how each works qualitatively.

2. Use a systematic approach to solve chemical engineering problems. Identify variables, draw and label a process flow chart from a word description. Perform and use degrees of freedom analysis. Formulate mathematical expressions that represent word problems.

3. Use effectively an accounting framework to solve material and energy balance problems.

4. Work effectively in teams. Recognize the skills needed to function in a modern engineering environment. Develop teaming skills. Recognize engineering roles in society. Develop and practice written and oral communication skills.

Instructor: J. C. Holste, JEB 210, Email: j-holste@tamu.edu; 979-845-3384
Class: MWF 3:00 – 3:50 pm, RICH 114
Office Hours: MWF 4:00 – 5:00 pm (or by appointment), JEB 210

Graduate Assistants: Spencer Eggen, Yanpu Zhang
Email: s597egg4n@tamu.edu yanpuzhang@tamu.edu


Supplementary Material: 1. Student workbook for Felder & Rousseau

Examination Schedule
Examination 1 Thursday, February 19, 2016 7:00 pm – 9:00 pm
Examination 2 Thursday, March 26, 2016 7:00 pm – 9:00 pm
Examination 3 Thursday, April 16, 2016 7:00 pm – 9:00 pm
Final Examination Monday, May 11, 2016 10:30 am – 12:30 pm
CHEN 204 Syllabus - Spring 2016

Course Outline: (approximate number of lectures)

1. Introduction to the course (1)
2. Introduction to Engineering Calculations (1)
3. Processes and Process Variables: Mass and Volume, Flow Rate, Chemical Composition, Pressure, Temperature (3)
4. Fundamentals of Material Balances: Process Classification, Balances, Multiple Unit Balances, Recycle and Bypass, Reactive Systems, Combustion (12)
5. Single Phase Systems: Liquid and Solid Densities, Ideal Gases, Real Gases (3)
9. Balances on Transient Processes (3)

Changes in schedule

The instructor reserves the right to change the order and content of lectures as necessary. Exam dates may be changed by the instructor, but at least 5 days notice will be given.

Course Policies and Procedures:

Grades

<table>
<thead>
<tr>
<th>Assessment component</th>
<th>Relative Weight</th>
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<tbody>
<tr>
<td>Exams (3)</td>
<td>57%</td>
</tr>
<tr>
<td>Homework</td>
<td>11%</td>
</tr>
<tr>
<td>Quizzes &amp; Other In-Class Activities</td>
<td>12%</td>
</tr>
<tr>
<td>Cumulative Final</td>
<td>20%</td>
</tr>
</tbody>
</table>

Tentative grading scale

- 90 – 100: A
- 80 – 89: B
- 70 – 79: C
- 60 – 69: D
- Below 60: F

Note: This grading scale is tentative. The minimum score needed for a certain grade may decrease but will not increase (i.e., a score ≥ 90 is an A no matter what the class average is)

Exam re-grade requests will be entertained for 1 week after the exam is first returned in class. I reserve the right to re-grade the entire exam upon receiving a request.
Examination policy

There will be three mid-term exams and a final exam. Makeup exams will be given only for documented illnesses or University excused absences. If you need a make-up exam for a University-excused reason, you must inform me in writing at least 24 hours prior to the exam or quiz. You will be required to provide official documentation to justify your absence. In cases where advance notification is not feasible (e.g., accidents, medical emergency), you must contact me within 48 hours of the missed exam. You may be asked to provide additional documentation substantiating your reason. Make-up exams will be conducted according to the instructor’s schedule but no later than 30 days from the day of the original exam.

Homework & Quiz policy

All HW will be completed online using a third-party provider (Sapling Learning, website: www.saplinglearning.com). Instructions will be emailed later. You can work with anybody on the homework but every student has to submit an individual solution online. HW due dates may be announced in class, but will be shown on the Sapling website as soon as the assignments are made available to the class. Extensions may be provided only if prior approval has been obtained and may be subject to penalty, unless for an excused absence.

Quizzes and other in-class activities will be used periodically to assess the level of understanding of the covered material. In-class activities will be submitted electronically through another third party provider (Top Hat-Monocle, website: tophat.com). Information about Top Hat will be provided separately.

Attendance

Attendance is strongly suggested though not enforced. However, absences may be detrimental to the in-class activities portion of your grade and to your performance on the examinations. Please come on time.

Excused Absences

Students may be excused from attending class on the day of a graded activity or when attendance contributes to a student's grade. Examples of legitimate excused absences are available at http://student-rules.tamu.edu/rule07. Other reasons may be deemed appropriate by the student's instructor. Except in the case of the observance of a religious holiday, to be excused, the student must notify his or her instructor in writing (acknowledged e-mail message is acceptable) prior to the date of absence if such notification is feasible. In cases where advance notification is not feasible (e.g., accident or emergency) the student must provide notification by the end of the second working day after the absence. This notification should include an explanation of why notice could not be sent prior to the class. Accommodations sought for absences due to the observance of a religious holiday can be sought either prior or after the absence, but not later than two working days after the absence.
CHEN 204 Syllabus - Spring 2016

CHEN Program Outcomes:
Our graduates will have the following:

1. An ability to apply knowledge in math, science (physics, chemistry and biology) and engineering
2. An ability to design and conduct experiments, as well as to analyze, interpret data on experiments relevant to chemical engineering practice
3. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental and societal
4. An ability to function on multi-disciplinary teams
5. An ability to identify, formulate, and solve problems important in chemical engineering practice
6. An understanding of professional and ethical responsibility
7. An ability to communicate effectively
8. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context
9. A recognition of the need for, and an ability to engage in life-long learning
10. A knowledge of contemporary issues
11. An ability to use the techniques, skills, and modern engineering tools necessary for chemical engineering practice

Relationship of course to program outcomes

<table>
<thead>
<tr>
<th>Course Outcomes</th>
<th>Program Outcomes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recognize the nomenclature of Chemical Engineering</td>
<td>1</td>
</tr>
<tr>
<td>• Know systems of units and dimensions</td>
<td></td>
</tr>
<tr>
<td>• Define and relate process variables</td>
<td></td>
</tr>
<tr>
<td>• Learn basic unit operations of chemical processes and describe how each works qualitatively</td>
<td></td>
</tr>
<tr>
<td>Use a systematic approach to solve Chemical Engineering problems</td>
<td>1</td>
</tr>
<tr>
<td>• Identify variables, draw a process flow chart from a written description</td>
<td></td>
</tr>
<tr>
<td>• Perform and use degrees of freedom analysis</td>
<td></td>
</tr>
<tr>
<td>• Formulate mathematical expressions that describe written problems</td>
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<tr>
<td>Use effectively an accounting framework to solve material and energy balance problems</td>
<td>1</td>
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<tr>
<td>Work effectively in teams</td>
<td>4, 9</td>
</tr>
<tr>
<td>• Recognize the skills needed to function in a modern engineering environment</td>
<td></td>
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<tr>
<td>• Develop and practice teaming skills (written communications)</td>
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<tr>
<td>• Recognize engineering roles in society</td>
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</tbody>
</table>
Academic Integrity:  Aggie Honor Code: “An Aggie does not lie, cheat, or steal or tolerate those who do.”  Upon accepting admission to Texas A&M University, a student immediately assumes a commitment to uphold the Honor Code, to accept responsibility for learning, and to follow the philosophy and rules of the Honor System.  Ignorance of the rules does not exclude any member of the TAMU community from the requirements or the processes of the Honor System.  For additional information please visit: http://aggiehonor.tamu.edu

American with Disabilities Act Policy Statement: The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities.  Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities.  If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637.  For additional information visit http://disability.tamu.edu.
Texas A&M University
Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
Submit original form and attachments.

Form Instructions
1. Course request type:  
   - Undergraduate  
   - Graduate  
   - First Professional (DJS, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name):  
   Department of Communication
3. Course prefix, number and complete title of course:  
   COMM 475 Media and the Middle East

4. Change requested
   a. Prerequisite(s):  
      From:  
      To:  
   b. Withdrawal (reason):  
   c. Cross-list with:  

   Cross-listed courses require the signature of both department heads.

d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.

e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course?  
   - Yes  
   - No

6. If grade type is changing for existing course, indicate the new grade type:  
   - Grade  
   - S/U  
   - P/F (CLMD)

7. If this course will be stacked, please indicate the course number of the stacked course:  
   I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-control-basics-for-distance-education).

8. Complete current course title and current catalog course description:

9. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

10. As currently in course inventory:

    | Prefix | Course # | Title (excluding punctuation) |
    |--------|----------|--------------------------------|
    | COMM   | 475      | Media and the Middle East      |

    | Lect. | Lab | Other | SCH | CIP and Fund Code | Admin. Unit | FICE Code | Level |
    |-------|-----|-------|-----|-------------------|-------------|-----------|-------|
    | 3.00  | 0.00| 0.00  | 3.00| 05.0100.00        | 1091        | 0 0 3 6 3 2 | 4     |

b. Change to:

    | Prefix | Course # | Title (excluding punctuation) |
    |--------|----------|--------------------------------|
    | COMM   | 367      | Media and the Middle East      |

    | Lect. | Lab | Other | SCH | CIP and Fund Code | Admin. Unit | Acad. Year | FICE Code | Level |
    |-------|-----|-------|-----|-------------------|-------------|------------|-----------|-------|
    | 3.00  | 0.00| 0.00  | 3.00| 05.0100.00        | 1091        | 16 - 17    | 0 0 3 6 3 2 | 4     |

Approval recommended by:
J. Kevin Barge, Prof. & Head
Department Head or Program Chair (Type Name & Sign)  Date

Robert Sanders, Prof. & Head
Department Head or Program Chair (Type Name & Sign)  Date

Submitted to Coordinating Board by:
Associate Director, Curricular Services

Date

Chair, College Review Committee
Date

Dean of College
Date

Chair, GC or UCC
Date

Effective Date

RECEIVED CURRICULAR SERVICES NOV 26 2015
The Department of Communication proposes to change COMM 475-Media and Middle East to COMM 367-Media and Middle East. In our course numbering system, 400-level courses signal W-designated courses. International Studies prefers not to teach this course as a W-course. Since the course is cross-listed with ARAB 475, we propose to maintain the cross-list but to change the number to the 300-level so as to avoid confusion on the part of our students. The confusion could delay time to completion of the degree if a student took a course that did not fulfill the requirement.
ARAB 475/COMM 367

Media and the Middle East

Spring 2016

Instructor information
Prof. Natalie Khazaal, ACAD 330B, nataliekhazaal@tamu.edu; Office hours: TR 1:00-2:00
Tel: 845-2124 (INTS main office)

Course description
Examination of how media (e.g., literature, news, film, television) contribute to our understanding of historical events in the Middle East; analysis of cultural, social, political and historical circumstances of media representation of events; exploration of various media genres' techniques and narrative structure. May be repeated for credit with focus on different medium.

The version of this course offered in the current semester focuses on the medium FILM, and examines historical films from around the world. It explores how film contributes to our understanding of history and delineates the cultural, social, political, and historical, circumstances under which the movies were made. In our analyses we will build on debates about the meaning of history, the role of films and the importance of collective memory. We will compare the genres' techniques and narrative structure of movies that relate the same historical event but were made in different countries.

Assigned films will be viewed outside of class; class time will be devoted to lecture and discussion.

Prerequisites: junior or senior classification, or approval of instructor

Learning outcomes
Upon completion of this course, students will be able to:
— discuss and appreciate the difference and diversity of human experience
— recognize the intellectual and personal challenges often implicit in cultural misunderstandings
— evaluate critically the ethical and social responsibilities of global citizenship

Course materials
Articles provided on eCampus: eCampus.tamu.edu
Movies streamed through meciomatrix: meciomatrix.tamu.edu

Optional course materials
Corrigan, Timothy. A Short Guide to Writing About Film. Pearson 2007

Grading policies
10% Class Participation and attendance
30% Homework (eCampus forum posts, details below)
30% Midterm paper
30% Final project (choice of individual OR group project)

Grading Scale:
A = 100-90
B = 89-80
C = 79-70
D = 69-60
F = below 60

Class Participation (discussion groups)
Class participation is the most important part of this course. You are required to participate actively and vocally in all regular class discussions. Many of our discussions will be conducted in small discussion groups of 3-4 students who will explore a set of questions related to the readings and movies.

Work with eCampus
Regular work on eCampus is required in this class.

a) We will discuss the required movies and major readings on the eCampus forum page. For an A on homework, you will post at least 1 personal views and 1 response to a classmate's post with which you agree or disagree. For a B, post 5 and 5; C—3 and 3; D—2 and 2. Minimum word count is 150 words for a view and 75 words for a response.

b) Your midterm paper will compare two movies on Middle Eastern history that treat the same historical period/event/personality. Ideally one should be a Hollywood (or other non-Middle Eastern) movie, while the other should be made in the Middle East. The length of the paper is between 3 and 5 pages (double space, 12.0 Times New
Roman, or between 1000 and 1600 words). Post the first draft on eCampus to get one or two classmates’ feedback. Then revise it and post the final draft. In the beginning of the second draft, write a brief paragraph explaining how you revised it and why.

- Your final project has three parts. The first part is writing a script (one or two scenes) for a movie on Middle Eastern history (a period, event, historical personality) of your choice. You can choose to do it individually or with a partner. Your final script will have two drafts. You will present your first draft in class and afterwards you should incorporate those class comments you deem valuable. Post the final script draft on eCampus after you have had the chance to revise it. In the beginning of the final script draft, write a brief paragraph explaining how you revised it and why. The second part of the project consists of writing a review for the movie of a classmate (based on the scene they wrote). The third is interviewing a different classmate about their movie (again, based on the scenes they wrote).

**Attendance:**
The University views class attendance as the responsibility of an individual student. Attendance is essential to complete the course successfully. University Rules related to excused and unexcused absences are located on-line at [http://student-rules.tamu.edu/rule07](http://student-rules.tamu.edu/rule07). For illness- or injury-related absences of fewer than three days, an Explanatory Statement of Absence (available at [http://attendance.tamu.edu](http://attendance.tamu.edu)) or a note from a health care professional confirming date and time of visit will be required in order to count the absence as University-excused; for absences of three days or more, a note containing a medical professional’s confirmation that absence from class was necessary will be required (see Rule 7.1.6.1 and 7.1.6.2). If you miss more than two classes with no legitimate reason (see University policy above on excused absences), your grade will be lowered by 2% for each class you miss after the second unexcused absence. Make-up exams and assignments will be arranged in accordance with University Policy (see Student Rules 7.3).

**Academic Integrity**
*"An Aggie does not lie, cheat, or steal, or tolerate those who do."* You are expected to be aware of the Aggie Honor Code and the Honor Council Rules and Procedures, which are stated at [http://aggiehonor.tamu.edu](http://aggiehonor.tamu.edu).

**Disabilities**
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**Course topics and calendar of activities**

**I. Theory and practice**

**Week 1**
Perspectives and the cinema. Multiculturalism.

History and the medium of film.
*The Sheik*, 1921 (US, with Rudolph Valentino, excerpts)

HW: Shohat, Ellis and Robert Stam. *Unthinking Eurocentrism: Multiculturalism and the Media.* "Routledge 1994; Ch. 3

"Imperial Imaginary"
Davis, Natalie Zemon. "Slaves on Screen: Film and Historical Vision." Harvard 2000; Ch. 1 "Film as Historical Narrative"

**II. Ancient history—relics and meanings**

**Week 2**
The birth of archeology.
*The Mummy*, 1999 (US, with Brendan Fraser)
*Al-Mumayya*, 1969 (Egypt, excerpts)

HW: *The Mummy*
III. Medieval history—religion and science

Week 3
Islam and Muhammad

*The Message*, 1977 (Arabic co-production, dir. Moustapha Akkad, Arabic version; English version with Anthony Quinn)

*Muhammad, the Last Prophet*, 2004 (US, animation, excerpts)

HW: *The Message*

Week 4
Science, books and religious intolerance

*Destiny*, 1997 (Egypt, dir. Youssef Chahine)

*Out of Cordoba: Averroes and Maimonides in Their Time and Ours*, 2009 (US documentary, excerpts)

HW: *Destiny*
Najjar, Fawzi. “Ibn Rushd (Averroes) and the Egyptian Enlightenment Movement.” *British Journal of Middle Eastern Studies*. 31 (2) 2004

Week 5 and 6
The Crusades

*The Crusades*, 1933 (US, dir. Cecil B. DeMille, excerpts)

*Saladin, the Victorious*, 1963 (Egypt, dir. Youssef Chahine, excerpts)

*Kingdom of Heaven*, 2005 (US, with Orlando Bloom)

*Oh, Islam, 1962 (Egypt/Italy)*

*Arn—The Knight Templar*, 2007 (Sweden, excerpts)

*Valkyria Rising*, 2009 (Denmark, with Mads Mikkelsen, excerpts)

HW: *Kingdom of Heaven*
Riley-Smith, Jonathan. *The Crusades, Christianity, and Islam*. Columbia 2011; Ch. 2 “Crusades as Christian Penitential Wars”

Oh, Islam


IV. Modern history—wars, spies and “great” men

Week 7
The Arab revolt (1916-18)

*Lawrence of Arabia*, 1962 (UK, with Peter O’Toole and Anthony Quinn, 35 Academy awards, “widely considered one of the greatest and most influential films in the history of cinema”)

HW: *Lawrence of Arabia*

Midterm paper due: Draft One—Tuesday Week 7; Classmate’s comments—Thursday Week 7; Draft Two—Sunday Week 7

Week 8 and 9
Algerian war (1954-62)

*The Battle of Algiers*, 1966 (Italy, Algeria, 3 Academy awards)

*Chronicle of the Smoldering Years*, 1975 (Algeria, Cannes’ Palme d’Or prize, excerpts)

*Outside the Law*, 2010 (France majority production, Academy award nominee)

*The Little Soldier*, 1960 (France, dir. Jean-Luc Godard, excerpts)

*Jamila Bouhaidr*, 1958 (Egypt, dir. Youssef Chahine, excerpts)

HW: *The Battle of Algiers*

Outside the Law

Week 10 and 11
Iraq war (2003-14)
Three Kings, 1999 (US, with George Clooney)
Control Room, 2004 (US, dir. Jehane Noujaim)
Battle of Haditha, 2007 (UK, dir. Nick Bloomfield, excerpts)
Delta Force, 2007 (US comedy, voted worst movie on the Iraq War, excerpts)
Life is Beautiful, 1997 (Italy, with Roberto Benigni, excerpts)
HW: Three Kings
Gelvin, James. The Modern Middle East. 3rd ed. Oxford 2011; Ch. 16 “Oil” and Ch. 17 “The U.S. and the Middle East”
Control Room

Week 12 and 13
Spies and counter espionage
Munich, 2005 (US, dir. Steven Spielberg, with Eric Bana)
Body of Lies, 2008 (US, dir. Ridley Scott, with Leonardo DiCaprio and Russell Crowe, excerpts)
The Cousins, 2009 (Egypt, excerpts)
HW: Munich

Final project Part One: Script—present in class Week 12; revised version Week 13

Week 14
The “great” individual—biographies and pseudo-biographies
Nasser 56, 1996 (Egypt)
Days of Saadat, 2001 (Egypt, with Ahmad Zaki, excerpts)
Sadat, 1983 (US, with Louis Gossett, Jr., excerpts)
Karnak, 1975 (Egypt, Naguib Mahfouz, excerpts)
Haltin, 2006 (Egypt)
HW: Nasser 56
Gordon, Joel. “Nasser 56/ Egypt 96: Reimagining Egypt’s Lost Community” at http://content.cdlib.org/view/docId=fi8k4008ks&chunk.id=ch7
Haltin

Final project Part Two—Week 14; All parts One, Two and Three—at exam date (as posted in the published schedule on the TAMU academic calendar)
Sherry

The revised ENGL 305 syllabus is attached.

Barbara Newsom
Administrative Coordinator
Undergraduate Studies in English
LAAH 352 MS 4227 TAMU
Phone (979) 845-9936
Fax (979) 862-2292
Texas A&M University
Departmental Request for a Change in Course
Undergraduate ▶ Graduate ▶ Professional
Submit original form and attachments.

Form Instructions

1. Course request type: ✗ Undergraduate □ Graduate □ First Professional (DDS, MD, JD, PharmD, DVM)

2. Request submitted by (Department or Program Name): Department of Electrical and Computer Engineering

3. Course prefix, number and complete title of course: ECEN 314 Signals and Systems

4. Change requested
   a. Prerequisite(s): From: ___________________________ To: ___________________________
   b. Withdrawal (reason): ___________________________
   c. Cross-list with: ___________________________

   Cross-listed courses require the signature of both department heads.

   d. Change in course title and description. Enter complete current course title and current course description in item 10. Complete item 11a and b for a change in title.

   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course? □ Yes ✗ No

6. If grade type is changing for existing course, indicate the new grade type: □ Grade □ S/U □ P/F (CLMD)

7. If this course will be stacked, please indicate the course number of the stacked course: ☑ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education)

8. Complete current course title and current catalog course description:

9. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

11. a. As currently in course inventory:

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<td>SIGNALS AND SYSTEMS</td>
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   b. Change to:

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Approval recommended by: Aydin I. Karsilayan

Department Head or Program Chair (Type Name & Sign) Date

Chair, College Review Committee Date

Department Head or Program Chair (Type Name & Sign) Date

Dean of College Date

Submitted to Coordinating Board by: Chair, GC or UCC Date

Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 08/14
Course title and number       ECEN 314
Term (e.g., Fall 200X)        Fall 2016
Meeting times and location   TBD

Course Description and Prerequisites

Introduction to the continuous-time and discrete-time signals and systems; time domain characterization of linear time-invariant systems; Fourier analysis; filtering; sampling; modulation techniques for communication systems. Prerequisites: Grade of C or better in ECEN 214; MATH 308; junior or senior classification.

Learning Outcomes

Upon successful completion of the course, the students will:
1. be able to describe signals mathematically and understand how to perform mathematical operations on signals.
2. be familiar with commonly used signals such as the unit step, ramp, impulse function, sinusoidal signals and complex exponentials, and be able to classify signals as continuous-time or discrete-time, as periodic or non-periodic, as energy or power signals, and as having even or odd symmetry.
3. be able to describe linear time invariant systems either using linear constant coefficient differential equations or using their impulse response and be able to find a state space representation of a system from a block diagram and vice versa.
4. understand various system properties such as linearity, time invariance, presence or absence of memory, causality, bounded-input bounded-output stability and invertibility and be able to identify whether a given system exhibits these properties and its implication for practical systems.
5. understand the process of convolution between signals, its implication for analysis of linear time invariant systems and the notion of an impulse response.
6. be able to solve a linear constant coefficient differential equation using Laplace transform techniques.
7. understand the intuitive meaning of frequency domain and the importance of analyzing and processing signals in the frequency domain.
8. be able to compute the Fourier series or Fourier transform of a set of well-defined signals from first principles, and further be able to use the properties of the Fourier transform to compute the Fourier transform (and its inverse) for a broader class of signals.
9. understand the application of Fourier analysis to ideal filtering, amplitude modulation and sampling.
10. be able to process continuous-time signals by first sampling and then processing the sampled signal in discrete-time.
11. develop basic problem solving skills and become familiar with formulating a mathematical problem from a general problem statement.
12. be able to use basic mathematics including calculus, complex variables and algebra for the analysis and design of linear time invariant systems used in engineering.
13. develop a facility with MATLAB programming to solve linear systems and signal problems.
Instructor Information

Name: Krishna Narayanan
Email address: krun@tamu.edu
Office hours: TBD
Office location: WEB 334K

Textbook and/or Resource Material

Required Text Book:

Recommended Text Books:

Grading Policies

Homework and Computer Projects 25%
Periodic Quizzes 20%
Two midterm exams (15% each) 30%
Final exam 25%

Grading Scale: A=90-100, B=80-89, C=70-79, D=60-69, F=below 60.

No late submission of assignments will be accepted unless arrangements are made and approved in advance. For information on university excused absences visit http://student-rules.tamu.edu/rule07.

Course Topics, Calendar of Activities, Major Assignment Dates

<table>
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<tr>
<th>Week</th>
<th>Topic</th>
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<tr>
<td>1-2</td>
<td>Mathematical concepts, signals and systems</td>
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<td>3-4</td>
<td>Linear systems, linearity, time-invariance, causality, signal properties</td>
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<tr>
<td>5-6</td>
<td>Impulse response, convolution</td>
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<td>Midterm Exam 1</td>
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<td>7-8</td>
<td>Fourier series and Fourier transform</td>
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<td>9-10</td>
<td>Frequency-domain analysis of systems</td>
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<td>Midterm Exam 2</td>
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<tr>
<td>11-12</td>
<td>Differential equations and Laplace transforms</td>
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<td>12-13</td>
<td>Sampling theorem and discrete-time systems</td>
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<td>14</td>
<td>Applications to communications systems</td>
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Academic Integrity

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Texas A&M University
Departmental Request for a Change in Course
Undergraduate + Graduate + Professional
• Submit original form and attachments •

Form Instructions
1. Course request type:  
   ✔ Undergraduate  ❑ Graduate  ❑ First Professional (DO, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name):  
   Department of English
3. Course prefix, number and complete title of course:  
   ENGL 320, Technical Editing and Writing

4. Change requested:
   a. Prerequisite(s): From:  To:
   b. Withdrawal (reason):
   c. Cross-list with:
      Cross-listed courses require the signature of both department heads.
   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.
   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course?
   □ Yes  ✔ No

6. If grade type is changing for existing course, indicate the new grade type:
   □ Grade  □ S/U  □ P/F (CLMD)

7. If this course will be stacked, please indicate the course number of the stacked course:
   □ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

8. Complete current course title and current catalog course description:
   Technical Editing and Writing. Clarifying, reducing, expanding and synthesizing such technical materials created by others as manuals, annual reports, and technical articles and reports; audience adaptation, invention, organization, style and mechanics explored.

9. Complete proposed course title and proposed catalog course description (not to exceed 50 words):
   Technical and Professional Editing. Principles and techniques of technical editing for print and electronic media, including standards, styles, copy-editing, comprehensive editing and project management.

10. Complete proposed course title and proposed course description (not to exceed 50 words):

11. a. As currently in course inventory:
    Prefix  Course #  Title (excluding punctuation)  
    ENGL  320  TECH EDITING & WRITING

                          Lect.  Lab  Other  SCH  CIP and Fund Code  Admin. Unit  FICE Code  Level
    3.00  0.00  3.00  23130300001  0990  0 0 3 6 3 2 3

b. Change to:
    Prefix  Course #  Title (excluding punctuation)  
    ENGL  320  TECH & PROF EDITING

                          Lect.  Lab  Other  SCH  CIP and Fund Code  Admin. Unit  Acad. Year  FICE Code  Level
    3.00  0.00  3.00  23130300001  0990  16  -  17  0 0 3 6 3 2

Approval recommended by:

Date

Department Head or Program Chair (Type Name & Sign)  Date

Chair or College Review Committee  Date

Dean of College  Date

Submitted to Coordinating Board by:

Associate Director, Curricular Services

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu
Curricular Services – 08/14

[Stamp: RECP]
MEMORANDUM

Date: November 11, 2015

To: Chair
University Curriculum Committee

Through: Steven Oberhelman, Associate Dean
College of Liberal Arts
Undergraduate Instruction Committee

From: Maura Ives, Head
Department of English

Re: Course title and description changes for ENGL 320 and ENGL 460

The Undergraduate Studies Committee of the Department of English recommends changing the course titles and descriptions of the courses listed above. The proposed changes will bring these courses into alignment with current thinking and practice and the way these courses are presently taught.
Texas A&M University
Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
• Submit original form and attachments •

Form Instructions
1. Course request type: [ ] Undergraduate [ ] Graduate [ ] First Professional (DDS, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name): Department of English
3. Course prefix, number and complete title of course: ENGL 460, Writing for the Web

Attach a brief supporting statement for changes made to items in thru 4d, and 10 below.

4. Change requested:
   a. Prerequisite(s): From: __________________________  To: __________________________
   b. Withdrawal (reason):
   c. Cross-list with: __________________________

Cross-listed courses require the signature of both department heads.

d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.

   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course?
   [ ] Yes [X] No

6. If grade type is changing for existing course, indicate the new grade type: [ ] Grade [ ] S/U [ ] P/F (CLMD)

7. If this course will be stacked, please indicate the course number of the stacked course:

   [ ] I verify that I have reviewed the FAQ for Export Controls Basics for Distance Education (http://ypr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

8. Complete current course title and current catalog course description:

Writing for the Web. Integration of technology instruction and proven technical communication strategies for developing effective audience-appropriate websites (infrastructure, structure, content, design, and navigation); focus of rhetorical shifts of the Internet medium, as well as ethical, sociocultural and legal issues, including web accessibility.

9. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

Digital Authoring Practices. Analysis and practice of authoring in digital environments, including individual and collaborative approaches, audience concerns, theoretical, ethical, and stylistic issues. Environments/topics may include web design, content management systems (CMS), text encoding, project management, usability, vers on tracking, content authoring, and accessibility.

10. Complete proposed course title and proposed catalog course description:

   [ ] Writing for the Web
   [ ] Digital Authoring Practices

11. a. As currently in course inventory:

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b. Change to:

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<td>460</td>
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   Lect. | Lab | Other | SCH | CIP and Fund Code | Admin. Unit | Acad. Year | FICE Code | Level |
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</table>

Approval recommended by:

[Signature]  [Date]  [Department Head or Program Chair (Type Name & Sign)]

[Signature]  [Date]  [Chair of College Review Committee]

[Signature]  [Date]  [Dean of College]

Submitted to Coordinating Board by:

[Signature]  [Date]  [Chair, GC or UCC]

[Signature]  [Date]  [Effective Date]

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 08/14
MEMORANDUM

Date: November 11, 2015

To: Chair
University Curriculum Committee

Through: Stever Oberhelman, Associate Dean
College of Liberal Arts
Undergraduate Instruction Committee

From: Maura Ives, Head
Department of English

Re: Course title and description changes for ENGL 320 and ENGL 460

The Undergraduate Studies Committee of the Department of English recommends changing the course titles and descriptions of the courses listed above. The proposed changes will bring these courses into alignment with current thinking and practice and the way these courses are presently taught.
Texas A&M University

Departmental Request for a Change in Course

Undergraduate • Graduate • Professional

Submit original form and attachments

Form Instructions

1. Course request type: ☑ Undergraduate  □ Graduate  □ First Professional (DVM, MBI, HN, W, HN)
2. Request submitted by (Department or Program Name): College of Engineering
3. Course prefix, number and complete title of course: ENGR 291 Research
4. Change requested
   a. Prerequisite(s): From: __________________________ To: __________________________
   b. Withdrawal (reason): __________________________
   c. Cross-list with: __________________________

   Cross-listed courses require the signature of both department heads.

   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.
   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course?  □ Yes  ☑ No
6. If grade type is changing for existing course, indicate the new grade type:  □ Grade  □ S/U  □ P/F (CLM)
7. If this course will be stacked, please indicate the course number of the stacked course: ☑ I verify that I have reviewed the FAQ for Export Controls Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).
8. Complete current course title and current catalog course description:
   Research
   Credits 1 to 4. 1 to 4 Other Hours.
   Research conducted under the direction of faculty member in college of engineering. May be taken four times for credit.

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):
    Research
    Credits 0 to 4. 0 to 4 Other Hours.
    Research conducted under the direction of faculty member in college of engineering. May be taken four times for credit.

11. a. As currently in course inventory:
    Prefix  Course #  Title (excluding punctuation)
    ENGR  291  Research
    Lect.  Lab  Other  SCH  CIP and Fund Code  Admin. Unit  FICE Code
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    b. Change to:
    Prefix  Course #  Title (excluding punctuation)
    ENGR  291  Research
    Lect.  Lab  Other  SCH  CIP and Fund Code  Admin. Unit  Acad. Year  FICE Code
    0.00  0.00  4.00  1401010006  0965  16 - 17 0 0 3 6 3 2

Approval recommended by: __________________________

Department Head or Program Chair (Type Name & Sign)  Date

Chair, College Review Committee  Date

Dean of College  Date

Submitted to Coordinating Board by: __________________________

Chair, GC or UCC  Date

Associate Director, Curricular Services  Date

Effective Date  Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu.
Curricular Services – 06/14
Texas A&M University  
Departmental Request for a Change in Course  
Undergraduate • Graduate • Professional  
• Submit original form and attachments •

Form Instructions
1. Course request type:  
☐ Undergraduate  ☑ Graduate  ☐ First Professional (DVM, MD, JD, PharmD, DPM)
2. Request submitted by (Department or Program Name):  College of Engineering
3. Course prefix, number and complete title of course:  ENGR 491 Research

4. Change requested
   a. Prerequisite(s): From:  To:  
   b. Withdrawal (reason):  
   c. Cross-list with:  

Cross-listed courses require the signature of both department heads.

d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in Item 10. Complete Item 11a and b for a change in title.

e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete Item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course?  
☐ Yes  ☑ No

6. If grade type is changing for existing course, indicate the new grade type:  
☐ Grade  ☑ S/U  ☐ H/W (CLMD)

7. If this course will be stacked, please indicate the course number of the stacked course:  
☑ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-control-basics-for-distance-education).

8. Complete current course title and current catalog course description:
   Research. Credits 4 to 1, 1 to 4 Other Hours.

   Research conducted under the direction of a faculty member in the College of Engineering. May be repeated 3 times for credit. Registration in multiple sections of this course is possible within a given semester provided that the per semester credit hour limit is not exceeded.

9. Complete proposed course title and proposed catalog course description (not to exceed 50 words):
   Research. Credits 0 to 4, 0 to 4 Other Hours.

   Research conducted under the direction of a faculty member in the College of Engineering. May be repeated 3 times for credit. Registration in multiple sections of this course is possible within a given semester provided that the per semester credit hour limit is not exceeded.

10. Course Inventories:
   a. As currently in course inventory:

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<th>Title (excluding punctuation)</th>
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Approval recommended by

[Signature]

Department Head or Program Chair (Type Name & Sign) Date
Chair, College Review Committee Date
Dean of College Date

Submitted to Coordinating Board by:

Chair, GC or UCC Date

Associate Director, Curricular Services Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu.
Curricular Services – 08/14
Texas A&M University
Departmental Request for a Change in Course
Undergraduate + Graduate + Professional
* Submit original form and attachments *

Form Instructions
1. Course request type: [☑ Undergraduate] [□ Graduate] [□ First Professional (DVM, MD, JD, PharmD, DVM)]
2. Request submitted by (Department or Program Name): Department of Entomology
3. Course prefix, number and complete title of course: ENTO 208 Veterinary Entomology

4. Change requested
   a. Prerequisite(s): From: [ ] To: Coenrollment in ENTO 209 Veterinary Entomology Laboratory
   b. Withdrawal (reason): [ ]
   c. Cross-list with: [ ]

   Cross-listed courses require the signature of both department heads.
   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.
   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course? [☑ Yes] [□ No]
6. If grade type is changing for existing course, indicate the new grade type: [ ] Grade [ ] S/U [ ] P/F (CLMD)
7. If this course will be stacked, please indicate the course number of the stacked course: [ ]
8. I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

9. Complete current course title and current catalog course description:
Classification, biology and control of insects and other arthropods associated with livestock and poultry production; identification emphasized in laboratory.

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):
Insects and their relatives: causation of economic loss, impacts to well-being and transmission of disease pathogens to domestic and companion animals, and wildlife, as well as health and well-being of humans through occupational or recreational exposure. Insect biology, economic importance, and principles and methods of prevention and control are emphasized.

11. a. As currently in course inventory:

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<tr>
<th>Prefix</th>
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Approval recommended by:

David Ragsdale
Department Head or Program Chair (Type Name & Sign)

Robert Knight
Chair, College Review Committee

Kim Dooley
Dean of College

Tim Scott
Chair, GC or UCC

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 08/14
Course title and number  ENTO 208 Veterinary Entomology

Meeting times and location  Lecture: MW 9:10-10:00 AM, Heep Center – West Campus, Room 101

Course Description and Prerequisites

Prerequisite(s): Co-Enrollment in ENTO 209 Veterinary Entomology Laboratory

ENTO 208, Lecture (2 credit hours) Insects and their relatives causation of economic loss, impacts to well-being and transmission of disease pathogens to domestic and companion animals, and wildlife, as well as health and well-being of humans through occupational or recreational exposure. Insect biology, economic importance, and principles and methods of prevention and control are emphasized.

Student Learning Outcomes

At the end of this course, you should be able to:
(1) Define and correctly use scientific terminology in regards to entomological organisms of veterinary importance,
(2) Describe basic insect biology, natural history, and evolutionary relationships of insect orders and families of veterinary importance,
(3) Evaluate the economic importance of insects to animal health, and describe the impact insects have (both positive and negative) on animals,
(4) Recommend specific prevention, control and/or management recommendations to reduce economically damaging populations of insect pests, and
(5) Locate and critically evaluate current information on insect pests of veterinary importance.

Instructor Information

Name  Dr. Adrienne Brundage
Telephone number  979-845-9731
Email address  adrienne.brundage@tamu.edu
Office hours  M 10:00 AM – 12:00 PM, R 9:00 AM – 12:00 PM; By appointment
Office location  Heep Center, 404A

Textbook and Resource Material


Additional Reading
Occasionally I will assign additional reading material. These will be available under the “Additional Reading” link on eCampus, and will be listed in the syllabus.

eCampus

This course has a companion website hosted through eCampus. It is important for you to access
eCampus on a regular basis because it will be the place where you will:
- See the class assignment calendar to keep up with your assignments
- Download additional course materials, like handouts, power points, and notes
- Access your weekly quizzes
- Check your grades using the online grade book
- Check the FAQs, ask questions, or email your instructor

If you cannot access eCampus, please contact your instructor or TA to get this resolved.

**Attendance**

Policies set forth in student rule 7 for attendance and make-up will be followed (http://studentrules.tamu.edu/rule67). You are expected to attend class and complete all assignments. Make-up exams are available only with a university approved excuse. Students missing a lecture exam will have **two weeks** from the date of the initial examination to take make-up examinations. If you do not take the exam during that period, you will receive a zero for that examination. University accepted excuses are needed in order to take make-up exam. Professor discretion can be implemented.

**Grading Policies**

Grades may be earned through points gained in lecture assignments, examinations and quizzes:
- Examination I .................................................. 100 points.
- Examination II ............................................... 100 points.
- Examination III ............................................. 100 points.
- Literature Assignment ........................................ 50 points
- Ten (10) weekly online eCampus quizzes (20 points each) .... 200 points
- Comprehensive Final Examination .......................... 150 points
- Total Points Available ........................................ 700 Points

Final Grade: A = 90 -100%, B = 80 – 89%, C = 70 – 79%, D = 60 – 69%, F = Below 60%.

Grades are not negotiable. You earn your final course grade based on your work in the course. If you are concerned about a grade, please see your instructors during office hours.

**Course Topics, Calendar of Activities, Major Assignment Dates**

**ENTOMOLOGY 208 LECTURE SCHEDULE (Tentative)**

*Note: This schedule can change. Please see eCampus for updated lecture schedule*

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<tr>
<th>Date</th>
<th>Lecture</th>
<th>Reading Assignment/Quiz</th>
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<tbody>
<tr>
<td>Jan 21</td>
<td>Introduction</td>
<td>Chapter 1</td>
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<tr>
<td>26</td>
<td>Lecture 1: Arthropods</td>
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<tr>
<td>28</td>
<td>Lecture 2: Arthropod classes</td>
<td>Quiz 1 (Lee 1 &amp; 2, Ch 1)</td>
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<td>Feb 7</td>
<td>Lecture 3: External Anatomy</td>
<td>Chapter 2</td>
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<td>Lecture 4: Insect Mouthparts</td>
<td>Quiz 2 (Lee 3 &amp; 4, Ch 2)</td>
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<td>Lecture 5: Internal Anatomy and Physiology</td>
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</table>
| 11 | Lecture 6: Growth and Development | Van Emden Ch. 4 & 5
Quiz 3 (Lee 5 & 6, Van Emden Ch 4 & 5) |
<p>| 16 | Lecture 7: Insect Systematics pt 1 | Van Emden Ch 8 |
| 18 | Exam 1: Arthropods-Growth and Development (Lectures 1-6, Ch 1 &amp; 2, Van Emden Ch 4 &amp; 5) | Van Emden Ch. 8 |
| 23 | Lecture 8: Insect Systematics pt 2 | Quiz 4 (Lee 7 &amp; 9, Van Emden Ch 8) |
| 25 | Lecture 9: Insect Systematics pt 3 |  |
| Mar 2 | Lecture 10: Insect Systematics pt 4 |  |</p>
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<tbody>
<tr>
<td>4</td>
<td>Lecture 11: Phthiraptera</td>
<td>Ch. 6 Quiz 5 (Lec 8&amp;9, Ch 6&amp;9)</td>
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<td>9</td>
<td>Lecture 12: Siphonaptera</td>
<td>Ch. 9</td>
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<td>Exam 2: Insect Systematics pt 1 – Phthiraptera (Lecture 7-11, Van Emden Ch 8; Mullen Ch 6)</td>
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<td>Spring Break (Have fun!)</td>
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<tr>
<td>18</td>
<td>Spring Break (Have even more fun!)</td>
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<tr>
<td>23</td>
<td>Lectures 13: Diptera</td>
<td>Ch. 10 Quiz 6 (Lec 12, 13&amp;14, Ch 10&amp;14)</td>
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<td>25</td>
<td>Lecture 14: Diptera—Culicidae</td>
<td>Ch. 14</td>
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<td>Lecture 15: Mosquito Species and Disease</td>
<td>Ch. 14 Quiz 7 (Lec 15&amp;16, Ch. 14&amp;16)</td>
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<td>Apr 1</td>
<td>Lecture 16: Diptera—Diptera—Calliphoridae</td>
<td>Ch. 16</td>
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<td>6</td>
<td>Lecture 17: Diptera—Musciidae, Sarcophagidae</td>
<td>Ch. 18</td>
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<td>Lecture 18: Oestridae, Hippoboscidae</td>
<td>Ch. 19 Quiz 8 (Lec 17&amp;18, Ch. 18&amp;19)</td>
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<td>13</td>
<td>Lecture 19: Tabanidae</td>
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<td>15</td>
<td>Exam 3: Siphonaptera-Oestridae &amp; Hippoboscidae (Lectures 12-18, Ch. 9, 10, 14, 16, 18, &amp; 19)</td>
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<td>20</td>
<td>Lecture 20: Hemiptera</td>
<td>Ch. 7</td>
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<td>Lecture 21: Ticks</td>
<td>Ch. 26 Quiz 9 (Lec 19, 20&amp;21, Ch. 7&amp;26)</td>
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<td>Lecture 22: Tick Species and Disease</td>
<td>Ch. 26</td>
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<td>Lecture 23: Mites</td>
<td>Ch. 25 Quiz 10 (Lec 22&amp;23, Ch. 25&amp;26)</td>
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<td>Final Exam: 8:00-10:00 AM</td>
<td>75 points: Tabanidae-Principles of Control (Lectures 19-24); 75 points: Arthropods-Oestridae &amp; Hippoboscidae (Lectures 1-18)</td>
</tr>
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Americans with Disabilities Act (ADA)

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information, visit [http://disability.tamu.edu](http://disability.tamu.edu).

Disability Services has moved office locations to Student Services at White Creek. For additional details, please visit the Student Services @ White Creek website [http://sswc.tamu.edu](http://sswc.tamu.edu).

If you are already registered with Disability Services, please see me with your information. We can easily accommodate for quizzes and exams, but we need to set everything up before the first quiz, and at least two weeks before the first exam. If you need accommodations for the lab and lab exams, please see your TA.
Academic Integrity

For additional information please visit: http://aggiehonor.tamu.edu

"An Aggie does not lie, cheat, or steal, or tolerate those who do."

The Texas A&M University Honor Code, based on the long-standing affirmation that "An Aggie does not lie, cheat, or steal or tolerate those who do" is fundamental to the value of the A&M learning experience and requires that Aggies will not involve themselves in any form of academic dishonesty. According to the Office of the Aggie Honor System, academic dishonesty consists of cheating, fabrication, falsification, multiple submission, plagiarism, and multiplicity. Clarification of each of actions may be found at the Aggie Honor System website at http://www.tamu.edu/aggiehonor. This list, however, is not exclusive of any other acts that may reasonably be termed academic dishonesty. The penalty for a violation of academic dishonesty in this class shall be an "F" in the course and filing of an Honor Code Violation Report with the Office of the Aggie Honor System. Less severe penalties may be imposed if the circumstances warrant.
Texas A&M University

Departmental Request for a Change in Course
Undergraduate * Graduate * Professional
* Submit original form and attachments *

Form Instructions
1. Course request type: [ ] Undergraduate  [ ] Graduate  [ ] First Professional (DDS, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name): Department of Geography
3. Course prefix, number and complete title of course: GEOG 203, Planet Earth

4. Change requested
   a. Prerequisite(s): From: ____________________________ To: ____________________________
   b. Withdrawal (reason): _______________________________________________________________________________________________________________________________________________________
   c. Cross-list with: ____________________________________________________________________________

   Cross-listed courses require the signature of both department heads.

d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.

e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course? [ ] Yes  [ ] No

6. If grade type is changing for existing course, indicate the new grade type: [ ] Grade  [ ] S/U  [ ] P/F (CLMS)

7. If this course will be stacked, please indicate the course number of the stacked course:
   [ ] I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

8. Complete current course title and current catalog course description:
   Planet Earth. Earth's physical environment including climate, water, landforms, and ecosystems; processes that control these systems and their global distributions; human effects on these processes.

9. Complete proposed course title and proposed catalog course description (not to exceed 50 words):
   No change requested

11. As currently in course inventory:

   Prefix  Course #  Title (excluding punctuation)
   GEOG  203  Planet Earth

   Lect.  Lab  Other  SCH  CIP and Fund Code  Admin. Unit  FICE Code
   3.00  0.00  3.00  0  3  6  3  2

   Change to:

   Prefix  Course #  Title (excluding punctuation)
   GEOG  203  Planet Earth

   Lect.  Lab  Other  SCH  CIP and Fund Code
   3.00  1.00  3.00

   Approval recommended by:

   Department Head or Program Chair (Type Name & Sign) Date

   Chair, College Review Committee Date

   Dean of College Date

   Submitted to Coordinating Board by:

   Associate Director, Curricular Services Date

   Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu
   Curricular Services - 08/14

   RECEIVED  NOV 06 2015
   CURRICULAR SERVICES
TO: University Curriculum Committee

FROM: Dr. David Cairns, Head Department of Geography

DATE: October 1, 2015

SUBJECT: Proposal for a Change in Course – Geography 203

The Department of Geography proposes to make a minor change to the core curriculum course Geography 203 by adding 1.0 lab to the course inventory. This change is justified by the curricular changes required to satisfy the core curriculum, including core course assessment. We have revised the course to involve weekly lab exercises and quizzes that reinforce the concepts covered during regular classroom meetings. This experiential approach, including interactions with a TA who is dedicated to the course, is necessary if the students are to master the course concepts.
Course Description: This is a course about the earth, especially the earth’s surface. Physical geography is the discipline that explores the features on the earth’s surface—its climates, terrain, and ecosystems. Physical geographers seek to answer why these features exist, and why they differ from place to place.

For example: Why do the Himalayas, the Andes, and the Rocky Mountains exist? Why are mountains absent from many other places? Why don’t forests grow on top of the mountains? Why is summer here in Texas so much hotter than winter (85°F on average in July and 50°F in January in College Station)? Why does Quito, Ecuador have about the same temperature all year round (58°F in July and 58°F in January)? Why don’t polar bears live in Antarctica, and why don’t penguins live in Greenland? Why are there more than 10,000 natural lakes in Minnesota, but only a few (depending on how you count) in Texas?

All these question pertain to conditions on the earth’s surface. In this course, we will investigate the interconnected processes that operate to bring about the features on the earth’s surface.

Learning Outcomes: Students will be able to (1) interpret the arrangement of climates, landforms, and living things over the earth’s surface; (2) predict patterns that emerge from the interplay of multiple earth system processes and human actions; (3) explain the manner in which knowledge of the earth’s surface has been gained; (4) analyze some types of data and maps that physical geographers commonly use to study the earth; and (5) describe geographic patterns through maps, graphs, and quantitative and written expressions.

Instructor: Dr. Charles Lafon
Office: 706C Eller O&M Building
Office Hours: M 3:00–5:00 pm, or by appointment
Phone: 862-3677; Geography Dept. phone: 845-7141
E-mail: clafon@geog.tamu.edu
Class Meeting Time and Place: MWF 12:40–1:30 pm; HELD 105

If you have an earlier version of the textbook, it is suitable for this course.

**Other Reading Assignments:** The daily schedule below lists a few other reading assignments. PDFs of these essays will be available through the Course Reserves link (under Class Resources) on the University Libraries homepage (http://library.tamu.edu).

**Grading:** The course is a three-hour lecture course. It is separate from the GEOG 213 laboratory course, which is a one-hour course.

Each of three exams for this course makes up 25% of the final grade, for a total of 75%. Laboratory exercises compose 20% of the grade, and quizzes make up the remaining 5%. These laboratory exercises and quizzes give you an opportunity to review and put into practice the course concepts, and therefore they help prepare you for the exams. For late work, 10% is deducted per day.

I use the standard ten-point grading scale (90-100 = A, 80-89 = B, 70-79 = C, 60-69 = D, ≤ 59 = F), but may adjust the grades upward, if necessary, at the end of the semester.

The exams are not cumulative. However, because your understanding of later material builds upon earlier material, the second and third exams will of necessity involve some of the earlier topics. Exams include material from lectures, readings, and other assignments.

Students seeking an excused absence on an exam day must notify the professor or the Department of Geography by the end of the next working day following the absence, as described in Texas A&M University Student Rules (http://studentrules.tamu.edu/rule07). Please see the instructor in advance if you know you will not be able to take an exam on the scheduled date.

**ADA:** The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Department of Student Life, Services for Students with Disabilities in Room B118 of Cain Hall. The phone number is 845-1637.

**Academic Integrity:** "An Aggie does not lie, cheat, or steal, or tolerate those who do."

Texas A&M has an *Academic Integrity* policy to which both students and faculty must comply. The Aggie Honor System Office handles all cases of academic misconduct. Details about the Aggie Honor Policy can be found at http://aggiehonor.tamu.edu/.

The materials used in this course are copyrighted. These materials include but are not limited to syllabi, quizzes, exams, slides, in-class materials, review sheets, and additional problem sets. Because these materials are copyrighted, you do not have the right to copy them unless permission is expressly granted.

Plagiarism is when you pass off someone else’s work (language or ideas) as your own. In accordance with this definition, you are committing plagiarism if you copy the work of another person and turn it in as your own, even if you have the permission of that person. Plagiarism destroys the trust among colleagues without which research cannot be safely communicated.

For more information, see “Scholastic Dishonesty” under the Texas A&M University Student Rules: http://studentrules.tamu.edu.

Aggie Honor System Office website: http://www.tamu.edu/aggiehonor/
Course Outline and Daily Schedule (Tentative): Chapters & page numbers refer to the current edition of the Geosystems textbook. If you use an earlier edition, the page numbers will differ.

Reading assignments should be completed by the beginning of the week.
Laboratory exercises are assigned each Wednesday on that week's topic, and are due the following Wednesday. Quizzes are given each Wednesday and cover the material from the previous week.

I. PHYSICAL GEOGRAPHY: EXPLORING THE SURFACE OF THE EARTH

Week 1 Exploration, Mapping, and Earth-Sun Relationships
- Read Geosystems Ch. 1 (pp. 14-26 only) by Wed.
- Read Geosystems Ch. 2 (pp. 48-53) by Fri.
- Lab: Latitude, Longitude, and Maps

II. THE GEOGRAPHY OF CLIMATES

Week 2 Radiation and Temperature Patterns
- Read Geosystems Ch. 2 (pp. 39-47, Ch. 3 (pp. 60-65), & Ch. 7 (pp. 169-172) by Mon.
- Lab: Earth-Sun Relationships
- Quiz on Latitude, Longitude, and Maps

Week 3 Radiation and Temperature Patterns, continued
- Read Geosystems Ch. 4 (pp. 84-95) & Ch. 5 (pp. 108-124) by Mon.
- Lab: Radiation Balance and Temperature Patterns
- Quiz on Earth-Sun Relationships

Week 4 Geographic Patterns of Atmospheric and Oceanic Circulation
- Read Geosystems Ch. 6 (pp. 135-145; 153-155) by Mon.
- Lab: Circulation Patterns
- Quiz on Radiation and Temperature Patterns

Week 5 Atmospheric Moisture and Precipitation Patterns
- Read Geosystems Ch. 7 (pp. 172-183), Ch. 8 (192-203; 211-214), & Ch. 9 (pp. 226-230) by Mon.
- Lab: Atmospheric Moisture and Precipitation Patterns
- Quiz on Atmospheric and Oceanic Circulation

EXAM 1 on Friday, September 30

III. THE DYNAMIC EARTH

Week 6 Changing Climates and Shifting Continents
- Read Geosystems Ch. 11 (pp. 288-314) & Ch. 12 (pp. 340-350) by Mon.
- Lab: Changing Climates
- Quiz on Atmospheric Moisture and Precipitation Patterns

Week 7 Changing Climates and Shifting Continents, cont’d.
- Read Geosystems Ch. 13 (pp. 361-374)
- Lab: Shifting Continents and Plate Tectonics
- Quiz on Changing Climates

3
IV. THE GEOGRAPHY OF LANDFORMS

Week 8  Terrain Evolution and Mass Wasting
  • Read Geosystems Ch. 14 (pp. 394-405; 410-416) by Mon.
  • Lab: Terrain Evolution
  • Quiz on Shifting Continents

Week 9  Streams and Their Role in Terrain Evolution
  • Read Geosystems Ch. 15 by Mon.
  • Lab: Fluvial Geomorphology
  • Quiz on Terrain Evolution

Week 10 Streams, cont’d.
  • Quiz on Fluvial Geomorphology

EXAM 2 on Friday, November 4

Week 11 Glacial Landscapes
  • Read Geosystems Ch. 17 (pp. 496-511) by Mon.
  • Lab: Glacial Geomorphology

V. THE GEOGRAPHY OF LIFE

Week 12 The Geographic Distribution of Species
  • Read Geosystems Ch. 19 (pp. 560-563; 573-576) by Mon.
  • Lab: The Geographic Distribution of Species

Week 13 The Geographic Distribution of Species, cont’d.

CLASS DOES NOT MEET on Wed., Nov. 23 (Reading Day) or Fri., Nov. 25 (Thanksgiving Break)

Week 14 Biogeographic Realms and the Distribution of Related Species
  • Read Geosystems Ch. 20 (pp. 594-595) by Mon.
  • Lab: Biogeographic Realms
  • Quiz on The Geographic Distribution of Species

FINAL EXAM: Mon., Dec. 12 at 10:30 am–12:30 pm in our regular classroom
Texas A&M University
Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
• Submit original form and attachments •

Form Instructions
1. Course request type: [ ] Undergraduate [ ] Graduate [ ] First Professional (DDS, MD, JD, Ph Intl, DPM)
2. Request submitted by (Department or Program Name): Department of Geography
3. Course prefix, number and complete title of course: GEOG 479 Principles of Geocomputation

Attach a brief supporting statement for changes made to items 4a, 4b, 10 below:

4. Change requested:
   a. Prerequisite(s): From: GEOG 361, GEOG 475 To: GEOG 361, GEOC 340
   b. Withdrawal (reason): GEOG 475
   c. Cross-list with: CSCE 111 or CSCE 110

Cross-listed courses require the signature of both department heads.

5. Is this an existing core curriculum course? [ ] Yes [ ] No
6. If grade type is changing for existing course, indicate the new grade type: [ ] Grade [ ] S/U [ ] P/F (CLAS)
7. If this course will be stacked, please indicate the course number of the stacked course:
8. I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).
9. Complete current course title and current catalog course description:
   Geocomputation including geospatial technologies, computational techniques and algorithms utilizing high-performance computing; fundamental geocomputation principles, artificial and computational intelligence.
10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):
    Geocomputation including geospatial technologies, computational techniques and algorithms utilizing high-performance computing; fundamental geocomputation principles, artificial and computational intelligence.

11. a. As currently in course inventory:

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<th>Title (excluding punctuation)</th>
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b. Change to:

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Approval recommended by:

[Signature] 11/5/15

Department Head or Program Chair (Type Name & Sign) Date

Chair, College Review Committee

[Signature] 10/4/15

Dean of College Date

[Signature] 10/4/15

Submitted to Coordinating Board by:

Chair, GC or UCC Date

Associate Director, Curricular Services

Date Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 08/14
TO: Chris Houser, Associate Dean for Undergraduate Affairs
FROM: Wendy Jepson, Undergraduate Director, Department of Geography
SUBJECT: Pre-requisite change for GEOG 479

Assessment results suggest that students who have not followed the sequence of courses laid out in the degree plan are not prepared for GEOG 479. This change in pre-requisites simply enforces the sequence of courses in the degree plan for students in the GIST degree to make sure that they are adequately prepared for GEOG 479. All of the pre-requisite courses are already listed as part of the GIST degree and have prior approval from the requisite departments.
Texas A&M University  
Departmental Request for a Change in Course  
Undergraduate  Graduate  Professional  
* Submit original form and attachments *

Form Instructions  
1. Course request type:  
   - Undergraduate  
   - Graduate  
   - First Professional (D.D.S, M.D, J.D, Ph.D., D.V.M)  
2. Request submitted by (Department or Program Name):  
   Department of Geography  
3. Course prefix, number and complete title of course:  
   GEOG 484 Internship  

4. Change requested  
   a. Prerequisite(s):  From:  
   b. Withdrawal reason:  
   c. Cross-list with:  
   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.  
   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Enter complete item 11a and b. Attach a course syllabus.  
5. Is this an existing core curriculum course?  
   - Yes  
   - No  
6. If grade type is changing for existing course, indicate the new grade type:  
   - Grade  
   - S/U  
   - P/F (CLMD)  
7. If this course will be stacked, please indicate the course number of the stacked course:  

8. I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).  

9. Complete current course title and current catalog course description:  

Directed internship in a private firm, government agency, or non-governmental organization to provide work experience related to the student's degree program and career objectives. May be taken 2 times for credit.  

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):  

Directed internship in a private firm, government agency, or non-governmental organization to provide work experience related to the student's degree program and career objectives.  

11. a. As currently in course inventory:  

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b. Change to:  

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Approval recommended by:  

Department Head or Program Chair (Type Name & Sign)  
Date: 10/30/15  
Chair, College Review Committee  
Date: 10/27/15  

Department Head or Program Chair (Type Name & Sign) (if cross-listed course)  
Date:  
Dean of College  
Date:  

Submitted to Coordinating Board by:  

Associate Director, Curricular Services  
Date:  
Effective Date: NOV 06 2015  
CURRICULAR SERVICES  

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu  
Curricular Services – 08/14
TO: Chr's Houser, Associate Dean for Undergraduate Affairs

FROM: Wendy Jepson, Undergraduate Director, Department of Geography

SUBJECT: Pre-requisite change for GEOG 484

We are removing the restriction that the internship can only be taken 2 times for credit to allow for greater outreach and engagement by our undergraduate students.
Texas A&M University
Departmental Request for a Change in Course
Undergraduate ∙ Graduate ∙ Professional
● Submit original form and attachments ●

Form Instructions

1. Course request type:
   ☒ Undergraduate  ☐ Graduate  ☐ First Professional (DDS, MD, JD, PharmD, DVM)

2. Request submitted by (Department or Program Name):
   Geology and Geophysics

3. Course prefix, number and complete title of course:
   GEOL 101 Principles of Geology

4. Change requested
   a. Prerequisite(s): From: __________________ To: __________________
   b. Withdrawal (reason):
   c. Cross-list with:

   Cross-listed courses require the signature of both department heads.

d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.

e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course?
   ☒ Yes  ☐ No

6. If grade type is changing for existing course, indicate the new grade type:
   ☐ Grade  ☒ S/U  ☐ P/F (CLMD)

7. If this course will be stacked, please indicate the course number of the stacked course:
   ☒ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-or-distance-education).

8. Complete current course title and current catalog course description: Principles of Geology. Physical and chemical nature of the Earth and dynamic processes that shape it, plate tectonics, Earth's interior, materials it is made of, age and evolution, earthquakes, volcanism, erosion and deposition; introduces physical and chemical principles applied to the Earth. Not open to students who have taken GEOL 104 or GEOL 320.

   Complete proposed course title and proposed catalog course description (not to exceed 50 words): Principles of Geology. Physical and chemical nature of the Earth and dynamic processes that shape it, plate tectonics, Earth's interior, materials it is made of, age and evolution, earthquakes, volcanism, erosion and deposition; introduces physical and chemical principles applied to the Earth. Not open to students who have taken GEOL 104 or GEOL 320.

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b. Change to:

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Approval recommended by:

Michael C. Pope 11/15

Department Head or Program Chair (Type Name & Sign)  Date

Chair, College Review Committee  Date

Department Head or Program Chair (Type Name & Sign)  Date

Dean of College  Date

Chair, GC or UCC  Date

Submitted to Coordinating Board by:

Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu
Curricular Services – 08/14

NOV 18 2015
CURRICULAR SERVICES

RECEIVED
Course title and number  GEOL 101: Principles of Geology
Term  Fall 2015
Meeting times and location

Course Description and Prerequisites
Physical and chemical nature of the Earth and dynamic processes that shape it; plate tectonics, Earth's interior, materials it is made of, age and evolution, earthquakes, volcanism, erosion and deposition; introduces physical and chemical principles applied to the Earth. Not open to students who have taken GEOL 104 or GEOL 320.

Prerequisites: none

Learning Outcomes
Upon successful completion of this course, students will be able to

1. Describe how the scientific method has led to our current understanding of the Earth’s structure, processes and evolution.
2. Interpret the origin and distribution of minerals, rocks and geologic resources.
3. Use the theory of plate tectonics to explain the formation and distribution of the Earth’s crustal features.
4. Quantify the rates of physical and chemical processes acting on the Earth and how these processes fit into the context of geologic time.
5. Communicate how surface processes are driven by interactions among the Earth’s geosphere, hydrosphere, atmosphere and biosphere.
6. Describe the internal structure and dynamics of the Earth.
7. Evaluate human interactions with the Earth, including sustainable development of natural resources and the assessment and mitigation of hazards.

Textbook and/or Resource Material

Grading Policies
Grades will be assigned based on the following assessments: three tests (total of 30%), lab (30%), and final exam (40%). All grades will be rounded to the nearest tenth of a percent (i.e. 89.95% → 90.0%, 89.94% → 89.9%) and converted to a letter grade as follows: 90.0–100.0 = A, 80.0–89.9 = B, 70.0–79.9 = C, 60.0–69.9 = D, <60.0 = F.
Course Topics, Calendar of Activities, Major Assignment Dates

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
<th>Required Reading (Tarbuck page numbers)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Aug. 31-Sept. 4</td>
<td>Introduction to class and geology; the scientific method; introduction to geologic time; origin of the solar system; Earth's internal structure and external features; plate tectonics</td>
<td>1–22, 22–29</td>
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<tr>
<td>2. Sept. 7-Sept. 11</td>
<td>Minerals and the rock cycle</td>
<td>29–34, 87–105</td>
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<tr>
<td>5. Sept. 28-Oct. 2</td>
<td>Test 1; sedimentary rocks</td>
<td>214–227</td>
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<tr>
<td>10. Nov. 2-Nov. 6</td>
<td>Divergent plate boundaries; convergent plate boundaries</td>
<td>381–403</td>
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<tr>
<td>11. Nov. 9-Nov. 13</td>
<td>Convergent plate boundaries; groundwater</td>
<td>381–403, 461–487</td>
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<tr>
<td>12. Nov. 16-Nov. 20</td>
<td>Groundwater and streams; deserts and winds</td>
<td>429–459, 515–535</td>
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<tr>
<td>13. Nov. 23-Nov. 27</td>
<td>Test 3; Glaciers and glaciations</td>
<td>489–517</td>
</tr>
<tr>
<td>14. Nov. 30-Dec. 4</td>
<td>Geologic record of global climate change; petroleum geology</td>
<td>575–607</td>
</tr>
</tbody>
</table>

Aggie Honor Code

"An Aggie does not lie, cheat, or steal or tolerate those who do." For more information, see Honor Council Rules and Procedures. http://www.tamu.edu/aggiehonor Academic integrity is an essential force in the academic life of a university. It enhances the quality of education and celebrates the genuine achievements of others. It is, without reservation, a responsibility of all members of the Texas A&M University Community to actively promote academic integrity. Apathy or acquiescence in the presence of academic dishonesty is not a neutral act -- failure to confront and deter it will reinforce, perpetuate, and enlarge the scope of such misconduct. http://aggiehonor.tamu.edu

Plagiarism

All materials used in this class are copyrighted. These materials include but are not limited to syllabi, quizzes, exams, lab problems, in-class materials, review sheets, and additional problem sets. Because these materials are copyrighted, you do not have the right to copy the handouts, unless permission is expressly granted.

As commonly defined, plagiarism consists of passing off as one’s own the ideas, words, writings, etc., which belong to another. In accordance with this definition, you are committing plagiarism if you copy the work of another person and turn it in as your own, even if you should have the permission of that person. Plagiarism is one of the worst academic sins, for the plagiarist destroys the trust among colleagues without which research cannot be safely communicated.

If you have any questions regarding plagiarism, please consult the latest issue of the Texas A&M University Student Rules, http://student-rules.tamu.edu/, under the section "Scholastic Dishonesty."
DEPARTMENT OF GEOLOGY AND GEOPHYSICS

Dr. David W. Sparks
Associate Head for Undergraduate Affairs

Nov. 13, 2015

TO: Dr. Chris Houser, Associate Dean
   College of Geosciences

FROM: Dr. David Sparks, Associate Head
      Department of Geology and Geophysics

SUBJECT: Certification of GEOL 101 and GEOL 102

The Department of Geology and Geophysics is proposing two courses be certified as satisfying the Life and Physical Sciences requirement of the Core Curriculum, Geology 101 and Geology 102. The existing course Geology 101, a 4-credit course with a lab, has been certified as a part of the Core for many years. For Fall of 2016, we have split this course into a 3-credit Geology 101 and a new 1-credit laboratory-only course Geology 102, to create more options for students to fulfill the 9-hour science requirement.

Geology 101 includes 3 hours of lecture and 1.0 weekly lab hour for students to participate in group work and online assignments, to allow us to assess the Core Objectives.

Geology 102 is a 2-hour laboratory that consists of weekly exercises and quizzes using provided samples and data sets. These courses are complementary and could be taken together, but are designed to be two stand-alone courses.

Attached are the new course/course change forms, the Core Curriculum Cover pages and the Core Curriculum Foundational Component sheets for each course.
Texas A&M University
Core Curriculum Cover Sheet

Initial Request for a course to be considered for the Fall 2015 Core Curriculum

1. This request is submitted by (department name): Geology and Geophysics

2. Course prefix and number: GEOL 101

3. Texas Common Course Number: GEOL 1303

4. Complete course title: Principles of Geology

5. Semester credit hours: 3

6. This request is for consideration in the following Foundational Component Area:

   - Communication
   - Mathematics
   - Life and Physical Sciences
   - Language, Philosophy and Culture
   - Creative Arts
   - American History
   - Government/Political Science
   - Social and Behavioral Sciences

7. This course should also be considered for International and Cultural Diversity (ICD) designation:
   - [ ] Yes
   - [x] No

8. How frequently will the course be offered? Every semester

9. Number of class sections per semester: 4 to 6

10. Number of students per semester: 600 to 1000

11. Historic annual enrollment for the last three years: 1675 1540 1152

This completed form must be attached to a course syllabus that sufficiently and specifically details the appropriate core objectives through multiple lectures, outside activities, assignments, etc. Representative from department submitting request should be in attendance when considered by the Core Curriculum Council.

12.

13. Submitted by:

   [Signature]

   Course Instructor

   Date

14. Approvals:

   [Signature]

   Department Head

   Date

15. College Dean/Designee

   [Signature]

   Date

For additional information regarding core curriculum, visit the Texas Higher Education Coordinating Board website at www.thecb.state.tx.us/corecurriculum2014

See form instructions for submission/approval process.
Texas A&M University
Core Curriculum
Initial Request for a Course Addition to the Fall 2016 Core Curriculum

Foundational Component Area: Life and Physical Sciences

In the box below, describe how this course meets the Foundational Component Area description for Life and Physical Sciences. Courses in this category focus on describing, explaining, and predicting natural phenomena using the scientific method. Courses involve the understanding of interactions among natural phenomena and the implications of scientific principles on the physical world and on human experiences.

The proposed course must contain all elements of the Foundational Component Area. How does the proposed course specifically address the Foundational Component Area definition above?

GEOLOGY 101 focuses on the principles that govern the formation and evolution of the solid Earth, and its interactions with water, the atmosphere, life and other bodies in the solar system. This course covers the growth of the field of geology through the application of the scientific method. Geology is an inherently integrative science, involving physical, chemical and biological principles. Particular focus is given to the development of the unifying theory of plate tectonics, and the way it integrates and explains a large variety of data. The relevance to societal problems is stressed through discussion of geological hazards and the use and conservation of natural mineral and groundwater resources.

Core Objectives

Describe how the proposed course develops the required core objectives below by indicating how each learning objective will be addressed, what specific strategies will be used for each objective and how student learning of each objective will be evaluated.

The proposed course is required to contain each element of the Core Objective.

Critical Thinking (to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information):

In-class activities (e.g., supplementary text Lecture Tutorials for Introductory Geoscience (Kortz and Smay, 2012)) focus on team-based problem solving that that encourages students to confront concepts that are often difficult to grasp. Excercises require students to apply fundamental principles to solve real world problems. In-class excercises are complemented by homework problems that interpret real data sets, geologic maps and three-dimensional drawings of the subsurface.

Communication (to include effective development, interpretation and expression of ideas through written, oral and visual communication):

Problem sets and some in-class activities will involve written communication of concepts. In-class collaborative activities and sharing of each team’s solution necessitates oral communication. Visualization is a critical part of the geologic sciences. Lectures, problems sets and in-class activities all require students to learn to visualize Earth structures and materials in two-and three-dimensions, as well as how they move and deform through time. Student will be required to visually communicate three-dimensional objects in two-dimensional planes (maps).

Empirical and Quantitative Skills (to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions):

Texas A&M University

Core Curriculum

Initial Request for a Course Addition to the Fall 2016 Core Curriculum

Students will work with real data sets (provided by the instructor or available from web-based sources) to solve problems that require quantitative analysis, graphing of data and interpretation of graphs to quantify and understand geological processes.

Teamwork (to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal):

In-class activities (e.g. from Kortz and Smay, 2012) are designed as team-based problems. Students will collaborate in small groups to problem solve, requiring them to communicate (oral, written and visual communication), learn from each other’s knowledge, and consider different perspectives in order to reach consensus on conclusions.

Please be aware that instructors should be prepared to submit samples/examples of student work as part of the future course recertification process.
Texas A&M University
Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
Submit original form and attachments

Form Instructions
1. Course request type: ☑ Undergraduate □ Graduate □ First Professional (DPS, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name): Journalism Studies Program
3. Course prefix, number and complete title of course: JOUR 304 Editing for the Mass Media

Attach a brief supporting statement for changes made to items 4a thru 4d and 10 below.

4. Change requested
   a. Prerequisite(s): From: JOUR 203, junior or senior classification and enrollment in journalism minor, or approval of program director. To: Junior or senior classification, or approval of program director.
   b. Withdrawal (reason):
   c. Cross-list with:

   Cross-listed courses require the signature of both department heads.

d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.

e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course? □ Yes □ No

6. If grade type is changing for existing course, indicate the new grade type: □ Grade □ S/U □ P/F (CLMD)

7. If this course will be stacked, please indicate the course number of the stacked course:

   I verify that I have reviewed the FAQ for Export Controls Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

8. Complete current course title and current catalog course description:
   JOUR 304 Editing for the Mass Media, credits 3, 2 lecture hours, 2 lab hours
   Principles and practice of editing including: improving and tightening print and broadcast copy; writing headlines, titles and subheads; photo editing and cutlines; graphics and layout.
   Prerequisites: JOUR 203, junior or senior classification and enrollment in journalism minor, or approval of program director.

9. Complete proposed course title and proposed catalog course description (not to exceed 50 words):
   JOUR 304 Editing for the Mass Media, credits 3, 3 lecture hours
   Principles and practice of editing including: improving and tightening text; writing headlines, titles and subheads; self-editing and editing others; tailoring texts for specific audiences; understanding style guides.
   Prerequisites: Junior or senior classification, or approval of program director.

10. a. As currently in course inventory:

    | Prefix | Course # | Title (excluding punctuation) |
    |--------|----------|------------------------------|
    | JOUR   | 304      | EDITING FOR THE MASS MEDIA   |
    |        |          |                              |
    |        |          |                              |
    |        |          |                              |
    |        |          |                              |
    |        |          |                              |

    b. Change to:

    | Prefix | Course # | Title (excluding punctuation) |
    |--------|----------|------------------------------|
    | JOUR   | 304      | EDITING FOR THE MASS MEDIA   |
    |        |          |                              |
    |        |          |                              |
    |        |          |                              |
    |        |          |                              |
    |        |          |                              |

11. Approval recommended by:

    Date: 11/18/15

    Chair, Department
    Chair, College Review Committee: 11/18/15

    Dean of College: 11/18/15

    Chair, GC or UCC: 11/18/15

    Effective Date: Nov 20, 2015

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 08/14
Supporting statement for changes sought in credits and catalog description of JOUR 304

The catalog course description and format of JOUR 304 has not been updated in decades. We are modernizing the catalog description and the content of the course to reflect current journalistic practices. We also are moving the course to a 3-credit class, from its current 2-hour class and 2-hour lab. Additionally, we are eliminating the prerequisites of JOUR 203 and enrollment in the minor to make the course more widely available to students outside of Journalism Studies whose career plans include a significant amount of writing for general publications.
JOUR 304 – Editing for Mass Media
T/Th
Bolton Hall
Fall 2016

Instructor: Hannele Rubin
Email: hrubin@tamu.edu
Office: Bolton 305F
Office Hours: Tuesdays and Thursdays 11 a.m.-noon or by appointment

Course Description
Principles and practice of editing including: improving and tightening text; writing headlines, titles and subheads; self-editing and editing others; tailoring texts for specific audiences; understanding style guides.

Prerequisites: Junior or senior classification; or approval of program director.

Learning Outcomes
At the end of this course, students should be able to:
- Demonstrate the differences between levels of editing
- Discuss the importance of clarity and consistency
- Find and correct major (and minor) errors in text
- Fix problems with style, structure, and content
- Discuss editing controversies such as language changes, “gender neutrality,” and descriptivism vs. prescriptivism

Required Readings and Materials
AP Stylebook

COURSE POLICIES
Attendance – Your attendance is required. Only university-excused absences are permitted. Please refer to Texas A&M Student Rule 7, which is available here: http://student-rules.tamu.edu/rule7.htm

Make-up Work – Students may make-up quizzes and other assignments only for university-excused absences or absences discussed in advance with the instructor. Proper documentation must be submitted in a timely manner.

Submissions – All work must be typed and printed or emailed to me. Late assignments will be assessed a penalty – the equivalent of one letter grade on the assignment – unless students have a university excused absence (see http://student-rules.tamu.edu/rule7.htm).

Special Accommodations – If you require accommodation for a disability, please contact me during the first week of class so I can make arrangements for you. The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things,
this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information, visit http://disability.tamu.edu.

Academic Honesty – An Aggie does not lie, cheat or steal, or tolerate those who do. Texas A&M University encourages academic integrity and strictly enforces policies against any form of scholastic dishonesty. For additional information please visit: http://aggiehonor.tamu.edu

Grades (with point breakdown)
Your assignments will get progressively more valuable as the course advances. This system is designed to forgive early mistakes and to reward skills mastery. The class mantra is, “Make NEW mistakes.” You are not expected to begin this class as an expert, but the stakes rise as the semester goes on, and repeated mistakes will be increasingly costly.

The average of grades taken in each category will be weighted with the following percentages in calculating the overall course grade:

- Weekly editing assignments  40%
- Style and usage quizzes  30%
- Participation in discussions  10%
- Final editing assignment  20%

Participation is counted as being in class and actively contributing to discussions, taking quizzes, and fulfilling weekly editing assignments.

Assignments
Mastering style and usage: style/usage quizzes at the beginning of class each Tuesday followed by discussion of that week’s editing topic. Thursdays will generally be spent putting the editing topic into practice by editing a text. In place of a final exam, students will edit a 1,500-word text.

Schedule (subject to minor revisions)*

<table>
<thead>
<tr>
<th>Date</th>
<th>Day 1: Course overview, editing tools and techniques (style sheets, Track Changes, etc.), references, reliable Internet sources, levels of editing (proofreading copyediting, content/structure editing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week 1:</td>
<td>Day 2: Lecture: What is style? Why is it important? Editing principles; the importance of self-editing; the writer’s “voice”</td>
</tr>
<tr>
<td></td>
<td>Day 3: First quiz: Diagnostic (what do you know about</td>
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</tr>
</tbody>
</table>

*Please check course materials for updates.**
editing?
Lecture: Case studies; costly editing mishaps
Day 4: Practice proofreading; using the *AP Stylebook*; how can spellcheckers can hurt you

Week 3:
Day 5: Second quiz: Confused words (homophones, etc.) and idioms
Lecture: English grammar basics, parts of speech
Day 6: Editing for the basics; more proofreading

Week 4:
Day 7: Third quiz: English grammar basics
Lecture: Capitalization; problems with pronouns; mastering prepositions; misplaced modifiers
Day 8: Editing for the basics; copyediting

Week 5:
Day 9: Fourth quiz: Capitalization, pronouns, prepositions, misplaced modifiers
Lecture: Basic sentence, paragraph, and story structure
Day 10: Editing for sentence, paragraph, and story structure

Week 6:
Day 11: Fifth quiz: Sentence, paragraph, story structure
Lecture: Verbs, tenses, subject-verb agreement (collective nouns, etc.)
Day 12: Editing for content; checking facts

Week 7:
Day 13: Sixth quiz: Subject-verb agreement
Lecture: Pesky punctuation: commas, colons, semicolons
Day 14: Editing for pesky punctuation

Week 8:
Day 15: Seventh quiz: Commas, colons, semicolons
Lecture: Pesky punctuation: Apostrophes, quotation marks
Day 16: Editing for pesky punctuation

Week 9:
Day 17: Eighth quiz: Apostrophes, quotation marks
Lecture: Pesky punctuation: Hyphens, dashes, and slashes
Day 18: Editing for pesky punctuation

Week 10:
Day 19: Ninth quiz: Hyphens, dashes, and slashes, etc.
Lecture: Numbers, statistics
Day 20: Editing for numbers, statistics, numerical facts

FINAL EDITING ASSIGNMENT DISTRIBUTED

Week 11:
Day 21: Tenth quiz: Numbers, statistics
Lecture: Quotations, attributions, sources
Day 22: Editing for quotations, attributions, sources

Week 12:
Day 23: Eleventh quiz: Quotations, attributions
Lecture: Euphemisms, jargon, gobbledygook
Day 24: Plain language editing

Week 13:
Day 25: Twelfth quiz: Plain language/clear writing
Lecture: Levels of editing; editing for content and structure
Day 26: Content, structural editing

FINAL EDITING ASSIGNMENT DUE

Week 14:
Day 27: Thirteenth quiz: Review
Lecture: Language controversies, descriptivism vs. prescriptivism
Day 28: Lecture: Non-errors; editing in the news; navigating relationships with writers and others
Texas A&M University
Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
Submit original form and attachments

1. Course request type:
   ☑ Undergraduate  ☐ Graduate  ☐ First Professional (DDS, MD, JD, PharmD, DVM)

2. Request submitted by (Department or Program Name):
   Department of Health and Kinesiology

3. Course prefix, number and complete title of course:
   KINE 223 Introduction to the Science of Health and Fitness

4. Change requested
   a. Prerequisite(s):
      From: ____________________________
      To: ____________________________
   b. Withdrawal (reason):
      ____________________________
   c. Cross-list with:
      ____________________________
   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and 11b for a change in title.
   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and 11b. Attach a course syllabus.

5. Is this an existing core curriculum course?
   ☑ Yes  ☐ No

6. If grade type is changing for existing course, indicate the new grade type:
   ☑ Grade  ☐ S/U  ☐ P/F (CLMD)

7. If this course will be stacked, please indicate the course number of the stacked course:
   ____________________________
   I verify that I have reviewed the FAQ for Export Controls Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

9. Complete current course title and current catalog course description:
   Introduction to the Science of Health and Fitness: Overview of the human body systems; interdisciplinary focus on wellness, fitness, nutrition, disease, drug use; integrated physical activity centering on principles and applications of conditioning; collect data, evaluate information, formulate plans based on findings; experience with heart rate monitors, bioelectrical impedance devices, software, and other technology. Not open to students who have taken KINE 120

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):
    Introduction to the Science of Health and Fitness: Overview of the human body systems; interdisciplinary focus on wellness, fitness, nutrition, disease, drug use; integrated physical activity centering on principles and applications of conditioning; collect data, evaluate information, formulate plans based on findings; experience with heart rate monitors, bioelectrical impedance devices, software, and other technology.

11. a. As currently in course inventory:

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</table>

Approval recommended by:

Richard B. Kreider
Department Head or Program Chair (Type Name & Sign)  Date

Chair, College Review Committee  Date

Dean of College  Date

Submitted to Coordinating Board by:

Tim Scott  Date
Chair, GC or UCC

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu
Curricular Services – 08/14

RECEIVED CURRICULAR SERVICES OCT 30 2015
Sandra Williams

From: PJ Miller <pjm@hlkn.tamu.edu>
Sent: Sunday, November 15, 2015 11:07 AM
To: Sandra Williams
Subject: RE: December UCC Items

Sandra,

The request to change the description of KINE 223 is being made to allow students the option of taking KINE 223 even if they have already taken KINE 120. The content of KINE 223 is significantly more detailed than content of KINE 120. Students can benefit from the more in-depth content even if they have had KINE 120. Students will not be allowed to take KINE 120 if they have already taken KINE 223.

Thanks,

PJ

Paula J. Miller
Clinical Professor
Department of Health and Kinesiology
Texas A&M University
TAMU-4243
College Station, TX. 77843-4243
Phone: 979-845-1471
Fax: 979-847-8987
pjmiller@tamu.edu

From: Sandra Williams [sandra-williams@tamu.edu]
Sent: Wednesday, November 11, 2015 8:13 AM
To: Houser, Christopher A; 'Kisha Bryan'
Cc: 'Tim Scott'; Miller, Paula J; Anderson, Kristy K
Subject: December UCC Items

Good morning.

I received the following courses for the December UCC meeting without the required brief statement attached. Please send it so that I can have it for the December UCC meeting. Reference attached forms.

GEOG 479
GEOG 484 (also missing College Dean signature) KINE 223

Thank you.

Sandra Williams | Associate Registrar
Office of the Registrar, Academic Affairs | Texas A&M University
Texas A&M University

Departmental Request for a Change in Course
Undergraduate ▪ Graduate ▪ Professional

Form Instructions

1. Course request type:  ✔ Undergraduate □ Graduate □ First Professional (DMD, MD, JD, PharmD, DVM)

2. Request submitted by (Department or Program Name): Department of Landscape Architecture and Urban Planning

3. Course prefix, number and complete title of course: LAND 200 Introduction to Landscape Architectural Practice

4. Change requested
   a. Prerequisite(s): From: __________________________ To: __________________________
   b. Withdrawal (reason):
   c. Cross-list with: URPN 101
      Cross-listed courses require the signature of both department heads.
   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.
   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course? □ Yes □ No

6. If grade type is changing for existing course, indicate the new grade type: □ Grade □ S/U □ P/F (CLMD)

7. If this course will be stacked, please indicate the course number of the stacked course:

8. I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

9. Complete current course title and current catalog course description:

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

11. a. As currently in course inventory:

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b. Change to:

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Approval recommended by:
Dr. Ming-Han Li 10/6/15

Department Head or Program Chair (Type Name & Sign) Date
Chair, College Review Committee 10/6/15

Department Head or Program Chair (Type Name & Sign) Date (if cross-listed course)
Dean of College 10/6/15

Submitted to Coordinating Board by:
Chair, GC or UCC Date

Associate Director, Curricular Services

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu
Curricular Services – 06/14

RECEIVED 06/12/2015 CURRICULUM SERVICES
LAND200

Introduction to Landscape Architecture Practice
Fall 2015, 1 credit hour

Class Time: F 10:20 am - 11:10 am
Class Room: Langford C105
Instructors: Jun-Hyun Kim, Ph.D.
Office: A318A Langford Building
Email: jhkim@arch.tamu.edu
Phone: 979.845.2532
Office Hours: Friday 11:10 am - 12:00 pm or by appointment

INTRODUCTION

"Landscape architecture combines art and science. It is the profession that designs, plans and manages our land. Today, landscape architects deal with increasingly complex relationships between the built and natural environments. Landscape architects plan and design traditional places that people live, work, play, study, and contemplate, such as parks, residential developments, campuses, gardens, commercial centers, resorts, transportation facilities, corporate and institutional centers, mixed-use communities, cemeteries, and waterfront developments.

They also design and plan the restoration of natural places disturbed by humans such as wetlands, stream corridors, mined areas and forested land. Their appreciation for historic landscapes and cultural resources enables landscape architects to undertake preservation planning projects for national, regional and local historic sites and areas. Working with architects, city planners, civil engineers and other professionals, landscape architects play an important role in environmental protection by designing and implementing projects that respect both the needs of people and of the environment. Meeting the human needs by making wise use of our environmental resources is work that is in demand today and will continue to be needed in the future.” - Modified from American Society of Landscape Architects (www.asla.org)

"Urban planning or city and regional planning, is a dynamic profession that works to improve the welfare of people and their communities by creating more convenient, equitable, healthful, efficient, and attractive places for present and future generations. Planning enables civic leaders, businesses, and citizens to play a meaningful role in creating communities that enrich people's lives. Good planning helps create communities that offer better choices for where and how people live.

Professional planners help create a broad vision for the community. They also research, design, and develop programs; lead public processes; effect social change; perform technical analyses; manage; and educate. Some planners focus on just some of these roles, such as transportation planning, but most will work at many kinds of planning throughout their careers. The basic element is the creation of a plan. Planners develop a plan through analysis of data and identification of
goals for the community or the project. Planners help the community and its various groups identify their goals and form a particular vision. A plan can take a variety of forms including: policy recommendations, community action plans, comprehensive plans, neighborhood plans, regulatory and incentive strategies, or historic preservation plans. Other examples of plans include: redevelopment plans, smart growth strategies, economic development strategic plans, site plans, and disaster preparedness plans.” – Modified from American Planning Association. (www.planning.org)

COURSE DESCRIPTION

This course covers the following:

Explores and evaluates the diversity of landscape architectural practice; defines the traditional practice forms and examines evolving and boundary expanding opportunities for future practice; introduces the departmental curriculum and faculty. Cross listing: URPN 200/LAND 200.

LAND 200 reviews the definition of Landscape Architecture and Urban Planning profession, its formal educational preparation, and its professional and interdisciplinary practices. This course focuses on a few primary questions:

- What is landscape architecture? What is urban planning?
- What do landscape architects and planners do in their professional practice?
- What interdisciplinary activities are landscape architects and planners engaged in?
- What does a landscape architecture or a planning student need to learn in terms of knowledge, skills and abilities to be successful in a professional career?

The course introduces the students to the diversity of landscape architectural and urban planning education and practices both as a discipline and as a profession. It defines traditional practice forms and examines evolving and expanding interdisciplinary opportunities for future landscape architects and planners. LAND 200 is intended to be an introduction to the field and is focused on a breadth of general understanding rather than the depth of specific knowledge.

LEARNING OUTCOMES

The learning objectives of the course are:

- Define understanding of the nature of landscape architecture and urban planning as a profession, and the disciplinary and interdisciplinary role of landscape architects and planners in shaping our living environment to improve our quality of life by providing summaries from guest speakers from a variety of professional backgrounds.
- Analyze comprehensive view of the discipline and the knowledge, skills, abilities and attitudes required for the professional success by submitting lecture summaries.
- Exhibit familiarity of faculty members in the department, particularly the landscape architecture and urban planning faculty, and their academic interests or professional specialties by presenting faculty profile.
- Explain understanding of the history of the profession and examples of excellence in design and planning by submitting lecture summaries.
TEACHING METHODS
The classroom activity for LAND 200 will consist of lectures by various guest speakers, discussions (with the speakers and student panels), tour of the studio exhibitions, etc. Invited guest speakers are from landscape architecture and related disciplines/professions with a wide range of expertise and experiences. They include faculty members, practicing landscape architects, planners and student leaders.

REQUIRED TEXTBOOKS
Required readings for speakers and topics will be posted in digital format on the class eCampus website. You are expected to read this material prior to the designated class.

COURSE EXPECTATIONS AND STUDENT RESPONSIBILITIES

- **Attend all classes for the fully scheduled time allotment.** Absence due to health-related problems, emergency situations, or mandatory participation in university-excused activities may be excused, providing that written proof is provided prior to the next class. Three late arrivals or early departures are to be calculated as one absence.
- **Participate in class or group discussions actively.** Failure to participate is understood to be a lack of interest in learning.
- Complete course assignments independently and submit all assignments by the due date. Late submissions will not be accepted.
- Communicate with the instructor actively and inform them of any questions, concerns and suggestions you have for the class in timely fashion.

COURSE EVALUATION
The student's final grade for the course will be determined by the following:

1. **Class Notes (50%):**
   Students are required to take notes on each lecture. Detailed notes on each lecture should be submitted to eCampus before the beginning of the next class. The notes should be typed on a letter-sized paper in Word using the template provided and following all instructions for the format and style. The word limit is 600 for each lecture (about 1-1.5 pages, single-spaced). Emphasis should be placed on:
   - completeness of the entire lecture's subject matter,
   - effective organization (flow, indentation, numbering, bullets),
   - using complete sentences (no fragments),
   - summarizing the key points learned, and
   - legibility and meeting the required format.

2. **Class Attendance (50%):**
   Unexcused absences will result in zeros for the missed days' attendance and zeros for the class notes. Excused absences must be made up with an alternate reading/note taking
3. **Grading Scale**

Individual assignments will be graded as follows:
- **A (100-90 percent):** Turned in on time and is professionally complete, relevant and thorough
- **B (80-89 percent):** Turned in on time and is professionally finished but has a few missing items
- **C (70-79 percent):** Turned in on time and has several missing items OR turned in on time, is complete but less-professionally finished
- **D (60-69 percent):** Turned in on time but more than half of the required information is missing, or information is not in complete sentences
- **F (below 60 percent):** Not turned in

**Note:** Work to be considered for grade in this course must be turned in by the assigned due date and time. Late submissions will result in one letter grade downgrade. Any deviation from the assigned date and time of submission must be arranged with the instructor in advance.

**ATTENDANCE POLICY**

"The University views class attendance as the responsibility of an individual student. Attendance is essential to complete the course successfully. University rules related to excused and unexcused absences are located on-line at [http://student-rules.tamu.edu/rule07](http://student-rules.tamu.edu/rule07)."

**ACADEMIC INTEGRITY STATEMENT and POLICY**

"An Aggie does not lie, cheat or steal, or tolerate those who do."

The Aggie Code of Honor states that the students at Texas A&M University should value honesty and personal integrity. Therefore, it is the responsibility of students and faculty members to help maintain scholastic integrity at the University by refusing to participate in or tolerate scholastic dishonesty.

Students are referred to the Honor Council Rules and Procedures that may be found at the website: [http://aggiehonor.tamu.edu](http://aggiehonor.tamu.edu).

**AMERICANS with DISABILITIES ACT (ADA) POLICY STATEMENT**

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-
LAND 200 Introduction to Landscape Architecture Practice
Jun-Hyun Kim

845-1637. For additional information visit http://disability.tamu.edu.

TENTATIVE CLASS SCHEDULE
The schedule below is tentative and it is the student’s responsibility to stay aware of any changes to the schedule

<table>
<thead>
<tr>
<th>Date</th>
<th>Presenter</th>
<th>Topic</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>9/4</td>
<td>Dr. Jun-Hyun Kim</td>
<td>Introduction</td>
<td>C105</td>
</tr>
<tr>
<td>9/11</td>
<td>Dr. Ming-Han Li</td>
<td>Overview of BLA and Stormwater Management</td>
<td>C105</td>
</tr>
<tr>
<td>9/18</td>
<td>Prof. June Martin</td>
<td>Overview of BSURPN and Career Options</td>
<td>C105</td>
</tr>
<tr>
<td>9/25</td>
<td>Dr. Jeremy Merrill</td>
<td>Edible Landscapes and Urban Design, Participatory Community Design</td>
<td>C105</td>
</tr>
<tr>
<td>10/2</td>
<td>Dr. Shannon Van Zandt</td>
<td>Urban Planning</td>
<td>C105</td>
</tr>
<tr>
<td>10/9</td>
<td>Mr. Mark Mielke</td>
<td>Money Management for College Students</td>
<td>C105</td>
</tr>
<tr>
<td>10/16</td>
<td>Ms. Amanda Haney</td>
<td>BLA Program and Professional Experience</td>
<td>C105</td>
</tr>
<tr>
<td>10/23</td>
<td>Ms. Wonmin Sohn</td>
<td>Landscape Design Projects</td>
<td>C105</td>
</tr>
<tr>
<td>10/30</td>
<td>Prof. Geoffrey Booth</td>
<td>Creating Real Estate Value through Landscape Architecture</td>
<td>C105</td>
</tr>
<tr>
<td>11/6</td>
<td>Dr. Wei Li</td>
<td>Transportation Planning</td>
<td>C105</td>
</tr>
<tr>
<td>11/13</td>
<td>Ms. Madison Thomas</td>
<td>PLAN Program and Professional Experience</td>
<td>C105</td>
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<tr>
<td>11/20</td>
<td>Prof. Bruce Dvorak</td>
<td>Green Roof</td>
<td>C105</td>
</tr>
<tr>
<td>11/27</td>
<td>No Class - Thanksgiving Holiday</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12/4</td>
<td>Dr. Jun-Hyun Kim</td>
<td>Reflection and Wrap-up Discussion</td>
<td>C105</td>
</tr>
</tbody>
</table>

Other Optional Venues:
- October 17-19: TX APA Conference
- October 19: CARC Global Symposium
- October 22-25: ACSP Conference
- November 6-9: National ASLA Conference
Texas A&M University
Departmental Request for a Change in Course
Undergraduate  ▶ Graduate  ▶ Professional
Submit original form and attachments

Form Instructions
1. Course request type:  ☑ Undergraduate  ☐ Graduate  ☐ First Professional (DDS, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name):  Department of Landscape Architecture and Urban Planning
3. Course prefix, number and complete title of course:  LAND 254 Landscape Architecture Communications I

Attach a brief supporting statement for changes made to items 4a thru 4d, and 10 below.

4. Change requested
a. Prerequisite(s):  From:  To:

b. Withdrawal (reason):

c. Cross-list with:

Cross-listed courses require the signature of both department heads.

d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.

e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course?
☐ Yes  ☑ No

6. If grade type is changing for existing course, indicate the new grade type:
☐ Grade  ☐ S/U  ☐ P/F (CLMD)

7. If this course will be stacked, please indicate the course number of the stacked course:

☑ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

9. Complete current course title and current catalog course description:

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

11. a. As currently in course inventory:

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Course #</th>
<th>Title (excluding punctuation)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAND</td>
<td>254 LAND ARCH COMMUNICATION I</td>
<td></td>
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<tr>
<td>Lect.</td>
<td>Lab</td>
<td>Other</td>
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<tr>
<td>2.00</td>
<td>4.00</td>
<td>0.00</td>
</tr>
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</table>

b. Change to:

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Course #</th>
<th>Title (excluding punctuation)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAND</td>
<td>111 LAND ARCH COMMUNICATION I</td>
<td></td>
</tr>
<tr>
<td>Lect.</td>
<td>Lab</td>
<td>Other</td>
</tr>
<tr>
<td>2.00</td>
<td>4.00</td>
<td>0.00</td>
</tr>
</tbody>
</table>

Approval recommended by:
Dr. Ming-Han Li  
Department Head or Program Chair (Type Name & Sign)  Date

department head or Program Chair (Type Name & Sign)  Date

department head or Program Chair (Type Name & Sign)  Date

Submitted to Coordinating Board by:
Chair, GC or UCC  Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 08/14
Texas A&M University  
College of Architecture  
Department of Landscape Architecture and Urban Planning

LAND 254: Landscape Architectural Communications (3 credits)  
Fall Semester 2015  
Class Time: MW 10:20 am - 12:30 pm.  
Class Room: A300, Langford Arch. Center  
Instructors: Dr. Chang-Shan Huang  
Office: A 307, Telephone: 845-7873 (office)  
Email: chuang@arch.tamu.edu  
Office Hours: by appointment  
Prof. Russell W. Reid, Assoc. AIA, ASAI, AIGA  
Office: Langford Architectural Center, A328  
Email: rreid@arch.tamu.edu  
Office Hours: by appointment

COURSE SYLLABUS

I.  INTRODUCTION

Graphics are the language of design. The ability to develop and document design ideas and to communicate your ideas to others is essential for success in any design profession. This course will focus on the symbolic and representational hand drawn graphics that are the basis for the development and communication of design ideas.

II.  COURSE DESCRIPTION

Through a series of studio project exercises, this course will teach students basic hand drafting and landscape design graphic presentation techniques. It will also introduce to students basic concepts and principles of graphic composition. No prerequisites are required.

III.  LEARNING OUTCOMES

1.  Analyze and apply basic hand drafting techniques (line quality control, use of scale, etc.) by showing examples and class demonstrations.
2.  Analyze and apply basic types of landscape architectural communication graphics (plan, section, elevation, and perspective) by submitting class exercises for evaluation.
3.  Utilize shade and shadow and value contrast to express a sense of light and depth by completing two specific exercises.
4.  Utilize graphic composition elements, concepts and principles to organize their design graphic presentation by completing two specific exercises.
5.  Apply drawing knowledge and skills of basic landscape features (vegetation, water, building, ground, and people) by submitting two perspective drawings.
6.  Articulate an understanding of color theory and color rendering techniques by reading literature and submitting two exercises.
IV. TEACHING METHODS

Studio projects--The course will be taught primarily through a series of graphic exercises. Studio projects will be on-going and will vary in duration ranging from one to four class periods. At completion of each studio project, there will be project review at which each student's project will be discussed by the whole class.

Lectures --Lectures and reading assignments relevant to each studio project will be given at beginning of and or during each project. These lectures will be used to present new projects and to demonstrate new graphic techniques.

V. COURSE EXPECTATIONS AND STUDENT RESPONSIBILITIES

Students of LAND 254 are expected to spend 8 hours a week (including 4 hours in class) at average in order to complete course assignments. Never expect that scheduled regular class time is adequate enough to finish all the course assignments with satisfactory quality. All students in LAND 254 are required to do the following:

1. Attendance: Attend all classes. Attendance is mandatory! Absence due to health-related problems, emergency situations, or mandatory participation in university-excused activities may be excused, providing that a written proof is provided to the instructor within one week. More information can be found at http://student-rules.tamu.edu/rule07

2. Be adequately prepared for instructor's desk critiques every time and for class presentations.

3. Participate in class group discussions actively. Students are strongly encouraged to discuss or critique each other's work both inside and outside the class.

4. Complete course assignments independently or make your own contribution and submit all the assignments on time.

5. Communicate with the instructors actively and inform the instructors of any concerns and suggestions you have for this class in timely fashion.

6. Americans with Disabilities Act (ADA) Policy Statement: The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information visit http://disability.tamu.edu.

7. The Aggie Honor Code states, "Aggies do not lie, cheat, or steal or tolerate those who do." Students are expected to uphold the highest level of honesty and integrity in all their interactions, and particularly so in the pursuit of knowledge. For the Aggie Code of Honor and

Students are cautioned about copying work that was not their own effort and any other act that constitutes plagiarism. Plagiarism is any act that reproduces another person’s ideas, words, writings, drawings, photographs, digital media etc., and represents it as being original work. You are committing plagiarism if you copy the work of another person and turn it in as your own, even if you should have permission of that person. Rules governing plagiarism can be found in the latest edition of the Texas A&M University Student Rules governing Scholastic Dishonesty.

Please notice: All student projects are property of the department according to the university policy. Although most projects will be returned to students after they are graded, some student projects will be kept by the department for the purpose of accreditation review and as teaching references for future classes. However, those kept projects will be available for students to take photographs for their portfolios.

VI. CRITERIA FOR EVALUATION OF STUDENT PERFORMANCE

The student's final grade in this course is determined by the following components and formulas:

<table>
<thead>
<tr>
<th></th>
<th>70% (The relative weight of each project is determined on the time spent)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Studio Projects</td>
<td></td>
</tr>
<tr>
<td>B. Lettering Exercises</td>
<td>5%</td>
</tr>
<tr>
<td>C. Graphic Portfolio</td>
<td>5%</td>
</tr>
<tr>
<td>D. Instructor’s Evaluation</td>
<td>20%</td>
</tr>
<tr>
<td>This will consider the following:</td>
<td>Attendance, 5%</td>
</tr>
<tr>
<td>Class preparation, 5%</td>
<td></td>
</tr>
<tr>
<td>Class participation, 5%</td>
<td></td>
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<tr>
<td>Overall improvement, 5%</td>
<td></td>
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</tbody>
</table>

Final Grade = A + B + C + D
Grading Scale:
A = 90 – 100; B = 80 – 89; C = 70 – 79; D = 60 – 69; F = 0 – 59

Notes: Late submission of work will result in a reduction of 5% of full grade for each half hour late.

VII. TEXTBOOKS

Required textbooks:


Recommended references:


VIII REQUIRED MATERIALS AND EQUIPMENT

Drafting equipment:
An engineer's scale

An architect's scale
T-square 36" minimum
Triangles (45 and 60 degree)
A circle template (up to 3" dia.)

Paper products:
A roll of yellow tracing paper (24" wide)
A roll of white vellum paper (24" wide)

Pencils:
3H pencils (10)
Drafting pencils (5B, 3B, HB, 2H, 4H, 2/each)
Prismacolor Pencils (Set of 48)

*AD Markers (see recommended color list on page 5)

Other Materials:
Masking Tape or Tape Dots
Erasers
Pencil sharpener
Fixatif
3"x5" index cards (white)

*Alternative Marker sets:
Prismacolor Premier Color Markers: Set of 48
Prismacolor Premier Cool Grey Markers: Set of 12
Prismacolor Premier Warm Grey Markers: Set of 12
Recommended AD Markers and Prismacolor pencils

**AD Markers**

**Green**
- Apple green
- Celery
- Dark mint
- Dark olive
- Emerald green
- Evergreen
- Forest green
- Grass green
- Leaf green
- Light Olive
- Mint
- Moss green
- Nile green
- Olive
- Palm green
- Slate green
- Spruce green
- Willow green
- Yellow green

**Blue**
- Azure
- Ice blue
- Sky blue

**Yellow/brown**
- Cream
- Light ivy
- Light Sand
- Maize
- Sand
- Sepia
- Sunbeam Yellow
- Suntan

**Red/pink/purple**
- Brick red
- Buff
- Deep Salmon
- Flesh
- Red/pink/purple (continued)
- Lilac
- Maroon

**Gray**
- Cool Gray # 4
- Cool Gray # 6
- Cool Gray #2
- Warm Gray # 3
- Warm Gray # 5
- Warm Gray #1

**Prismacolor Pencils**

24 color set (minimum requirement)

or

48 color set (preferred)
LAND 254  
LANDSCAPE ARCHITECTURAL COMMUNICATIONS  
Fall Semester 2015  
Instructors: Dr. Chang-Shan Huang, and, Prof. Russell Reid

**Daily Class Activity Schedule**

<table>
<thead>
<tr>
<th>Week #</th>
<th>Date</th>
<th>Class Activities</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Part I:</strong> Basic Drafting and Design Graphics</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| Wk1    | 8/31(M) | Introduce course  
Lecture: Graphic Interpretation  
**Issue project 1: Graphic Exercise (Tone and Texture)**  
Issue lettering exercise  
Issue scale exercise  
9/02(W) | Desk critiques |
| Wk2    | 9/07(M) | **Project 1 due @ 10:20 am**  
Review project 1  
**Issue project 2: Base Map Drafting**  
9/09(W) | Desk critiques |
| Wk3    | 9/14(M) | **Project 2 due @ 10:20 am**  
Review project 2  
**Issue project 3: Illustrative Site Plan**  
9/16(W) | Desk critiques |
| Wk4    | 9/21(M) | **Project 3 due @ 10:20 am**  
Review project 3  
**Issue project 4: Illustrative Master Plan**  
9/23(W) | Desk critiques |
| Wk5    | 09/28(M) | **Project 4 due @ 10:20 am**  
Review project 4  
**Issue project 5: Trees, people and cars**  
09/30 (W) | Desk critiques |
| Wk6    | 10/05(M) | **Project 5 due @ 10:20 am**  
Review project 5  
**Issue project 6: Section/Elevation**  
10/07(W) | Desk critiques |
| Wk7    | 10/12(M) | **Project 6 due @ 10:20 am**  
Review project 6  
**Issue project 7: Tree Study (photo sketch)** | |
<table>
<thead>
<tr>
<th>Week #</th>
<th>Date</th>
<th>Class Activities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wk7</td>
<td>10/14(W)</td>
<td>Desk critiques</td>
</tr>
<tr>
<td>Wk8</td>
<td>10/19(M)</td>
<td><em>CARC Symposium (no class)</em></td>
</tr>
<tr>
<td></td>
<td>10/21(W)</td>
<td><strong>Project 7 due @ 10:20 am</strong></td>
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<tr>
<td></td>
<td></td>
<td>Review project 7</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Issue project 8: Value composition exercise (residential)</strong></td>
</tr>
<tr>
<td>Wk9</td>
<td>10/26(M)</td>
<td><strong>Project 8 due @ 10:20 am</strong></td>
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<tr>
<td></td>
<td></td>
<td>Review project 8</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Issue project 9: Value composition exercise (park)</strong></td>
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</tbody>
</table>

**Part II: Color Theory and Color Rendering Techniques**

<table>
<thead>
<tr>
<th>Date</th>
<th>Class Activities</th>
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<tbody>
<tr>
<td>10/28(W)</td>
<td><strong>Project 9 @ 10:20 am</strong></td>
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<tr>
<td></td>
<td>Review project 9</td>
</tr>
<tr>
<td></td>
<td>Video: 1) Basics of Color; 2) Color in Everyday Life</td>
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<tr>
<td></td>
<td><strong>Issue project 10: Garden Perspective (color pencil)</strong></td>
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<tr>
<td>Wk10</td>
<td>11/02(M)</td>
</tr>
<tr>
<td></td>
<td>Review project 10</td>
</tr>
<tr>
<td></td>
<td><strong>Issue project 11: Park Perspective (color pencil)</strong></td>
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<tr>
<td></td>
<td>11/04(W)</td>
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<tr>
<td></td>
<td>Review project 11</td>
</tr>
<tr>
<td></td>
<td><strong>Issue project 12: Color Rendered Illustrative Site Plan</strong></td>
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<tr>
<td>Wk11</td>
<td>11/09(M)</td>
</tr>
<tr>
<td></td>
<td>11/11(W)</td>
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<tr>
<td></td>
<td>Review project 12</td>
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<tr>
<td></td>
<td><strong>Issue project 13: Color Rendered Illustrative Master Plan (marker)</strong></td>
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<td>Wk12</td>
<td>11/16(M)</td>
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<td>Review project 13</td>
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<tr>
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<td><strong>Issue project 14: One-point perspective</strong></td>
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<td>11/18(W)</td>
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<td>Wk13</td>
<td>11/23(M)</td>
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<td>Review project 14</td>
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<td><strong>Issue project 15: Mini package</strong></td>
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<tr>
<td></td>
<td>11/25(W)</td>
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<td>Wk14</td>
<td>11/30(M)</td>
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<tr>
<td></td>
<td>12/02(W)</td>
</tr>
<tr>
<td></td>
<td>Review project 15</td>
</tr>
<tr>
<td></td>
<td>Work on portfolio</td>
</tr>
</tbody>
</table>
Texas A&M University
Departmental Request for a Change in Course
Undergraduate + Graduate + Professional
• Submit original form and attachments •

Form Instructions
1. Course request type: ☑ Undergraduate ☐ Graduate ☐ First Professional (DDS, MD, JD, PharmD, DPM)
2. Request submitted by (Department or Program Name): Department of Landscape Architecture and Urban Planning
3. Course prefix, number and complete title of course: LAND 255 Landscape Architectural Communications II
4. Change requested
   a. Prerequisite(s): From: __________________________ To: __________________________
   b. Withdrawal (reason): __________________________
   c. Cross-list with: __________________________
   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.
   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.
5. Is this an existing core curriculum course? ☑ Yes ☐ No
6. If grade type is changing for existing course, indicate the new grade type: ☑ Grade S/U ☐ P/F (CLAD)
7. If this course will be stacked, please indicate the course number of the stacked course: __________________________
8. I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).
9. Complete current course title and current catalog course description:

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

11. a. As currently in course inventory:

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<thead>
<tr>
<th>Prefix</th>
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<th>Title (excluding punctuation)</th>
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<td>255</td>
<td>LAND ARCH COMMUNICATION II</td>
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<tr>
<td>Lect.</td>
<td>Lab</td>
<td>Other</td>
</tr>
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<td>4.00</td>
<td>0.00</td>
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b. Change to:

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<th>Title (excluding punctuation)</th>
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<td>LAND ARCH COMMUNICATION II</td>
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<td>Lab</td>
<td>Other</td>
</tr>
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<td>2.00</td>
<td>4.00</td>
<td>0.00</td>
</tr>
</tbody>
</table>

Approval recommended by: __________________________

Dr. Ming-Han Li
Department Head or Program Chair (Type Name & Sign) Date
Chair, College Review Committee Date

Department Head or Program Chair (Type Name & Sign) Date
(if cross-listed course)

Dean of College Date

Submitted to Coordinating Board by: __________________________

Chair, GC or UCC Date

Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu.
Curricular Services – 08/14

RECEIVED
CURRICULAR SERVICES

OCT 29 2015
Texas A&M University  
College of Architecture  
Department of Landscape Architecture and Urban Planning

LAND 255  
Design Foundations and Communications  
Spring Semester 2015

Class Time:   MW: 01:50 p.m. - 04:20 p.m.  
Class Room:  A300 Langford Architecture Center  
Instructors:  Prof. Russell W. Reid, Assoc. AIA, M. Arch, ASAI, AIGA  
             Email:  rreid@arch.tamu.edu  
             Office: A435  Langford Architecture Center  
             Office Hours: TBA

Kenneth R. Hurst, RLA, MLA, ASLA, CLARB, CPSI  
Email:  khurst5775@tamu.edu

Yiwei Lu  
Email:  luyiwei@tamu.edu

Prerequisite:  LAND 254 or instructor's permission

COURSE SYLLABUS

I. INTRODUCTION

Landscape architecture is "the art of design, planning or management of the land, arrangement of natural and man-made elements thereon through the application of cultural and scientific knowledge, with concern for resource conservation and stewardship, to the end that the resultant environment serves a useful and enjoyable purpose." This is one of the few professional fields that seek to address both the artistic and scientific skills and abilities, which are required to create meaningful, useful places for people. The study of landscape architecture is a life-long exploration of the dynamic natural world and ever-changing needs of human beings.

II. COURSE DESCRIPTION

Advanced study in traditional and computer-based communication techniques in landscape architecture including studio explorations in concept and analysis graphics, color sketching, perspective drawing and rendering, desktop publishing, image capturing and manipulation, and compilation of graphic presentations; lecture, demonstrations and studio assignments.  
Prerequisite: LAND 254 or approval of instructor.

LAND 255 is a beginning course in landscape architectural design studio sequence. The course develops basic form-making design skills into application related to landscapes. LAND 255 will explore making art through development of meaning and
form using landscape space and materials. LAND 255 begins to develop in the student an understanding of the design application involved in the creation of outdoor environments and introduces the student to the scope of the current practice of landscape architecture.

The course concentrates on developing creative thinking and the means of expressing design ideas and conceptualizing form as perceived by the human being in outdoor space. The vocabulary of basic design elements and principles that are required to create dynamic landscape space, form and site/structure will be studied. In addition to the design component of the course, LAND 255 further develops the student's skill in graphic language with an emphasis on drawing that reinforces the material introduced in LAND 254.

III. LEARNING OUTCOMES

Our objectives in this course are:

- Apply creative problem-solving skills (including creative attitude, way of thinking, and basic techniques) from two problem-solving modules and exercises;

- Utilize form-making and space-making skills in outdoor environments (i.e., to apply design elements and principles to transform an abstract idea or concept into a concrete 3-dimensional spatial form) from two small-scale landscape projects;

- Apply and improve design communication skills (e.g. graphic, model-making, verbal presentation) from basic skills learned in LAND 254 (prerequisite of LAND 255);

- Describe and explain the sources of landscape design inspirations (such as arts, nature, culture, human needs, technology, and the historical tradition of landscape design) by studying various contemporary landscape architects;

- Analyze small sites by conducting two-three site analysis exercises

IV. TEACHING METHODS

Juried Studio Projects: The course will be taught primarily through juried studio projects. Students learn by presenting their progress on project for review and direction from the faculty. In this way, revisions are undertaken and the project is developed; students learn by doing. Making images, writing, drawing and talking about design ideas are critical to successful completion of the studio projects. Each student is required to present/submit complete design projects as assigned.
Discussions, Group Crits and Individual Review: All discussion and review during the course applies directly or indirectly to your work and development. Students are required to participate in all juried reviews at project submission. Because this is a learn-by-doing method of instruction: the more you produce and participate, the better.

V. ATTENDANCE AND GRADING POLICY

Attendance to all classes is mandatory. Class attendance is expected and required unless prior arrangements have been made with the instructor. Absences or late submissions due to health-related problems, emergency situations, or mandatory participation in University-sanctioned activities will be excused if written verification is supplied to the instructor within one week. Please notify us of any intended absences so as to avoid a reduction of 2 points each in your final grade, based upon two or more absences. Late project submission will result in 5 points reduction for each hour. Incomplete work will not be acceptable for credit. Excused absences and alternative graded activities are defined in TAMU Student Rule 7: http://student-rules.tamu.edu/rule07.

A final grade for this course is determined by the following components:

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Studio Projects</td>
<td>70%</td>
</tr>
<tr>
<td>(The relative weight of each project is equal to the proportion of the semester in terms of the time spent)</td>
<td></td>
</tr>
<tr>
<td>Portfolio</td>
<td>10%</td>
</tr>
<tr>
<td>Instructor Evaluations</td>
<td>20%</td>
</tr>
<tr>
<td>(see breakdown as follows)</td>
<td></td>
</tr>
<tr>
<td>- Attendance</td>
<td>5%</td>
</tr>
<tr>
<td>- Preparation and participation</td>
<td>5%</td>
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<tr>
<td>- Improvement</td>
<td>5%</td>
</tr>
<tr>
<td>- Learning attitude and self-motivation</td>
<td>5%</td>
</tr>
</tbody>
</table>

VI. TEXTBOOKS

Required:


VII. SUPPLY LIST

Computer software and hardware as per department standards. All graphic supply as required for Land 254 are required for Land 255, including:
Color markers (12-24 colors - all primary, secondary, black, gray, etc.)
Color pencils (12-24 colors – variety of colors, including white and earth tones)
Pencils (314, HB, 2B, 4B, H, etc.)
Scales (architect and engineering)
Circle template
Sketchbook
Drafting tape
Trace paper (18” min. roll)

VIII. SEMESTER OUTLINE & STUDIO PROJECT GRADE FACTOR

<table>
<thead>
<tr>
<th>Week #</th>
<th>Project #</th>
<th>Studio Project Grade Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-3</td>
<td>1</td>
<td>18 %</td>
</tr>
<tr>
<td>3-7</td>
<td>2</td>
<td>25%</td>
</tr>
<tr>
<td>7-11</td>
<td>3</td>
<td>21 %</td>
</tr>
<tr>
<td>11-16</td>
<td>4</td>
<td>36 %</td>
</tr>
</tbody>
</table>

IX. DISABILITIES AND ADA

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information visit [http://disability.tamu.edu](http://disability.tamu.edu).

X. AGGIE CODE OF HONOR

<table>
<thead>
<tr>
<th>Week No.</th>
<th>Date</th>
<th>Class Activities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wk1</td>
<td>1/19 (M)</td>
<td>M.L. King, Jr. Day (No class)</td>
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<tr>
<td></td>
<td>1/21 (W)</td>
<td>Review course syllabus</td>
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<tr>
<td></td>
<td></td>
<td>PPT presentation</td>
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<tr>
<td></td>
<td></td>
<td>Issue project 1: Form-making exercise (2D composition)</td>
</tr>
<tr>
<td>Wk2</td>
<td>1/26 (M)</td>
<td>Lecture 1: Composition Theory</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Desk critics (pattern exploration)</td>
</tr>
<tr>
<td></td>
<td>1/28 (W)</td>
<td>Desk critics (color composition)</td>
</tr>
<tr>
<td>Wk3</td>
<td>2/02 (M)</td>
<td>Desk Critics (final graphic presentation)</td>
</tr>
<tr>
<td></td>
<td>2/04 (W)</td>
<td>Project 1 due @ 2:00 pm</td>
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<tr>
<td></td>
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<td>Review project 1</td>
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<tr>
<td></td>
<td>2/05 (R)</td>
<td>LAUP Career Fair</td>
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<td></td>
<td>2/06 (F)</td>
<td>ASLA Aggie Workshop</td>
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<td>Wk4</td>
<td>2/09 (M)</td>
<td>Review project 1(continued)</td>
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<td></td>
<td></td>
<td>Issue project 2: Visual Garden Design (3D composition)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lecture 2: Landscapes of Different Moods</td>
</tr>
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<td></td>
<td>2/11 (W)</td>
<td>Desk critics (design concept)</td>
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<td>Wk5</td>
<td>2/16 (M)</td>
<td>Desk critics (design development)</td>
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<td></td>
<td>2/18 (W)</td>
<td>Desk critics (design development)</td>
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<tr>
<td>Wk6</td>
<td>2/23 (M)</td>
<td>Desk critics (model making)</td>
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<td>2/25 (W)</td>
<td>Desk critics (graphic preparation)</td>
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<tr>
<td>Wk7</td>
<td>3/02 (M)</td>
<td>Project 2 due @ 2:00 pm</td>
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<td></td>
<td></td>
<td>Review project 2</td>
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<tr>
<td></td>
<td>3/04 (W)</td>
<td>Review project 2 (Continued)</td>
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<td></td>
<td></td>
<td>Issue project 3: Designer's philosophy and signature</td>
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<td></td>
<td></td>
<td>Lecture 3: Influential Landscape Architects and their work</td>
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<tr>
<td>Week No.</td>
<td>Date</td>
<td>Class Activities</td>
</tr>
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<tr>
<td>Wk8</td>
<td>3/09 (M)</td>
<td>Desk critics (Data collection and project selection and design philosophy and project analysis)</td>
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<td></td>
<td>3/11 (W)</td>
<td>Lecture 5: Poster Design Principles Desk critics (poster design concept)</td>
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<tr>
<td>Wk9</td>
<td>3/16-20</td>
<td>Spring Break</td>
</tr>
<tr>
<td>Wk10</td>
<td>3/23 (M)</td>
<td>Desk critics (final poster preparation)</td>
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<tr>
<td></td>
<td>3/25 (W)</td>
<td>Project 3 due @ 2:00 pm Review project 3</td>
</tr>
<tr>
<td>Wk11</td>
<td>3/30 (M)</td>
<td>Review project 3 (Continued)</td>
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<tr>
<td></td>
<td>4/01 (W)</td>
<td>Issue Project 4: Garden Art and Application in Residential Design Lecture 6: Introduction to Residential Design Process</td>
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<tr>
<td>Wk12</td>
<td>4/06(M)</td>
<td>Desk critics (design concept)</td>
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<td>4/08(W)</td>
<td>Desk Critics (design development)</td>
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<td>Wk13</td>
<td>4/13 (M)</td>
<td>Desk critics (design development)</td>
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<td>4/15 (W)</td>
<td>Pin-up mid-review</td>
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<td>WK14</td>
<td>4/20(M)</td>
<td>Desk critics (refinement)</td>
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<td>4/22(W)</td>
<td>Desk critics (graphic preparation)</td>
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<td>4/22-24(W-F)</td>
<td>Texas ASLA Conference Galveston, Tx</td>
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<td>Wk15</td>
<td>4/27(M)</td>
<td>Desk critics (graphic preparation)</td>
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<td>4/29(W)</td>
<td>Project 4 due @ 2:00 pm Review project 4</td>
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<tr>
<td>Wk16</td>
<td>5/04(M)</td>
<td>Review project 4 (Continued)</td>
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<tr>
<td></td>
<td></td>
<td>Wrap-up discussion</td>
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<tr>
<td></td>
<td></td>
<td>Last Day of Class</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Portfolio Due @ 5:00 pm</td>
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Note: Total class periods: 28
Texas A&M University
Departmental Request for a Change in Course
Undergraduate ▶ Graduate ▶ Professional
- Submit original form and attachments -

Form Instructions
1. Course request type: ☑ Undergraduate □ Graduate □ First Professional (DDS, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name): Department of Landscape Architecture and Urban Planning
3. Course prefix, number and complete title of course: LAND 318 Landscape Design I

4. Change requested
   a. Prerequisite(s): From: ___________ To: ___________
   b. Withdrawal (reason): ___________
   c. Cross-list with: ___________

   Cross-listed courses require the signature of both department heads.

   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.
   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course? □ Yes ☑ No
6. If grade type is changing for existing course, indicate the new grade type: □ Grade □ S/U □ P/F (CLMD)
7. If this course will be stacked, please indicate the course number of the stacked course:

   I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

9. Complete current course title and current catalog course description:

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

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<tr>
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<th>Title (excluding punctuation)</th>
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<td>Lect.</td>
<td>Lab</td>
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</table>

   b. Change to:

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<tr>
<th>Prefix</th>
<th>Course #</th>
<th>Title (excluding punctuation)</th>
</tr>
</thead>
<tbody>
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<td>LAND</td>
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<td>LANDSCAPE DESIGN I</td>
</tr>
<tr>
<td>Lect.</td>
<td>Lab</td>
<td>Other</td>
</tr>
<tr>
<td>2.00</td>
<td>7.00</td>
<td>0.00</td>
</tr>
</tbody>
</table>

   Approval recommended by: ____________________________ Date 10/15/15

   Department Head or Program Chair (Type Name & Sign) ____________________________ Date 10/15/15

   Chair, College Review Committee ____________________________ Date 10/15/15

   Department Head or Program Chair (Type Name & Sign) ____________________________ Date 10/15/15

   Dean of College ____________________________ Date 10/15/15

   Submitted to Coordinating Board by: ____________________________ Date 10/15/15

   Chair, GC or UCC ____________________________ Date 10/15/15

   Effective Date ____________________________ Date 10/15/15

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@hrs.tamu.edu
Curricular Services – 08/14

RECEIVED - CURRICULAR SERVICES
LAND 318 LANDSCAPE DESIGN I: LANDSCAPE AS ART
Fall Semester 2015

Class Time:         MW, 8-11:30 am (8-11)
                    F, 9-9:50 (8-9:50)
Class Room:         A300 Langford Architecture Center
Instructors:       Prof. Bruce Dvorak
                    Email: bdvorak@tamu.edu
                    Telephone: (979) 458-0628
                    Office: A305 Langford Architecture Center
                    Office Hours: M 1:15 – 2:15, TU 4-5 with appointment

Dr. Jeremy Merrill
                    Email: jmerrill42@tamu.edu
                    Telephone: (979) TBD
                    Office: A331 Langford Architecture Center
                    Office Hours: Th 10:30-11:30, Fri 1:30-2:30, by appointment

Prerequisite: LAND 254, 255 or instructor's permission

COURSE SYLLABUS

I. INTRODUCTION

Landscape architecture is "the art of design, planning or management of the land, arrangement of natural and man-made elements thereon through the application of cultural and scientific knowledge, with concern for resource conservation and stewardship, to the end that the resultant environment serves a useful and enjoyable purpose (N. Booth, 1989)." This is one of the few professional fields in which the educational process develops your artistic and scientific skills and abilities for the creation of meaningful, useful and ecologically-sound places for people. The study of landscape architecture is a life-long exploration of the dynamic natural world and ever-changing needs of human beings. The focus of this studio is the further development of your design and design communication skills and knowledge of the natural environment.

II. COURSE DESCRIPTION

LAND 318 is a lower-level course in the landscape architectural design studio sequence. The course develops upon skills developed in LAND 254 and 255. LAND 318 further develops basic
form-making and spatial design skills through the use of art principles, meaning, form, spatial definition and exploration of materials and media. LAND 318 begins to develop your understanding of how basic design principles are applied to the landscape design process and introduces you to the scope of the current practice of landscape architecture.

The course concentrates on developing creative thinking and the means of expressing design ideas and conceptualizing form. The vocabulary of basic design elements and principles that are required to create dynamic landscape space, form and site/structure will be learned and expressed. In addition to the design component of the course, LAND 318 further develops the student's skill in effective verbal and graphic communication with an emphasis on drawing that reinforces the material introduced in LAND 254 and LAND 255.

III. LEARNING OUTCOMES

The student learning outcomes for this course are:

- Develop and apply creative design skills (including creative attitude, ways of thinking, conceptualization and basic problem-solving approaches) and exhibit skills in 3-4 small scale landscape projects;
- Refine form-making and space-making skills already learned from LAND 255 (prerequisite of LAND 318) through assigned projects;
- Apply and improve design communication skills learned from LAND 255 through lecture summaries;
- Articulate understanding of the literature about inspirations for landscape design (such as arts, nature, human needs, technology, and the historical tradition of landscape architecture) through relevant assignments;
- Develop learning and investigative skills and demonstrate the results in the final project.
- Make professional presentations in public setting.

IV. TEACHING METHODS

**Juried Studio Projects:** The course will be taught primarily through juried studio projects. Students learn by presenting progress on their work for individual and group reviews and specific direction and feedback from the studio instructors. In this way, revisions are undertaken and the project is developed and redeveloped: students learn by doing. Making images, writing, drawing and talking about design ideas are critical to successful completion of the studio projects. Each student is required to present/submit complete design projects as assigned.

**Discussions, Group Crits and Individual Review:** All discussion and review during the course applies directly or indirectly to your work and development. Students are required to participate in all juried reviews at project submission. Students are expected to review their work individually with instructors multiple times before a project is presented for final evaluation. Because this is a learn-by-doing method of instruction: the more you produce and
participate, the more often you have something to discuss with the instructors, the more opportunities you will have to learn.

V. ATTENDANCE AND GRADING POLICY

Attendance to all classes is mandatory. Records will be kept of your attendance and preparedness for individual or group review of your work. Please notify us in writing of any intended absences. Late project submissions (more than 10 minutes beyond due date/time) will result in 5 points reduction for each hour assignment is late up a minimum of one letter grade per day. Assignments more than 2 days late (unexcused) will not be accepted for credit and will receive a score of 0. Incomplete work will not be acceptable for credit. It is the student’s responsibility to know what date and time assignments are due. More information can be found at http://student-rules.tamu.edu/rule07

A final grade for this course is determined by the following components:

Studio Projects 75% (The relative weight of each project is outline below)
Design journal/sketchbook 5%
Portfolio 5%
Instructor Evaluations 15% (see breakdown as follows)
  - Classroom involvement 5%
  - Preparedness (i.e. crits, presentations) 5%
  - Improvement 5%

The studio instructors will use letter grades for evaluation of student work. Student work will be evaluated based upon A, B, C, D and F, with A as the highest level and an F is the lowest. A grade of an F is considered failing. Each instructor will grade each project. The student grade for the project will be the average grade of the instructor evaluations. For example, instructor 1 grade for student work is 85.5 and instructor 2 grade is 87. Average grade is 86.25 and the final project grade for the student. If the work is late, additional points will be deducted from the final grade. For example, the 86.25 graded work was submitted 2 hours late and thus a 10 point reduction for an amended grade of 76.25.

This is the breakdown of letter grade performance categories:

- A (89.50 - 100) Excellent Work that demonstrates original insights, extraordinary refinement of work, professional quality, or a highly creative and convincing resolution of project requirements.
- B (80.00 – 89.49) Above Average Very good or above average work, but lacks extraordinary insights or has aspects project requirements that are not fully resolved.
- C (70.00 – 79.99) Average Work that is acceptable and satisfies the stated requirements, though there may be substantial flaws in design resolution, craftsmanship, or presentation.
- D (60.00 – 69.99) Below Average Work that does not meet minimum requirements, poor execution, lack of refinement.
- F (0 – 59.99) Unsatisfactory Work that is unfinished and incomplete or is clearly below program standards

**Design Journal/sketchbook**

Keep a design journal for LAND 318. It must be a separate journal/notebook binder for LAND 318 only. Keep notes from all lectures and crits. Keep notes from class readings. There will be no quizzes in this course, but notes from assigned readings are required to be a part of your design journal. Keep notes and sketches for support of all project work. Include sketches and an analysis assignment during the class field trip. Each project should have a heading in your journal with the related materials included in that section. For example, Project 1 would be labeled, include notes from lecture/reading, conceptual ideas for the project, and conceptual ideas. Your journal is not a collection of trace paper drawings, but a collection of your design ideas related to each project accumulated throughout the semester.

**Portfolio**

Keep electronic images of all your complete projects. Resolution of images should be greater than 150 dpi but no more than 300 dpi. Include a cover, table of contents, and selected images to represent your work. Each project must be included in your portfolio. You may include works in progress or earlier versions of your work. On the last day of class you will present your portfolio. Submit a single PDF file that contains your portfolio. Save a screen resolution PDF and submit to the class folder. PDF files over 10MB will be returned to the student for resubmittal.

**VI. TEXTBOOKS**

**Required:**

**Highly Recommended:**


Additional readings will be posted to the e-learning website for the class.
VII. SUPPLY LIST

Required:
- Scales (architect and engineering)
- Journal/Sketchbook (details to be discussed in class)
- Drafting tape
- Trace paper (18” min. roll)
- Color markers (12-24 markers)
- Black Sharpie ultra fine, fine and wide markers
- Laptop with computer software and hardware as per college & department standards.

Suggested:
- Color pencils (12-24 colors – variety of colors, including white and earth tones)
- Pencils (314, HB, 2B, 4B, H, etc.)
- Circle template

VIII. SEMESTER OUTLINE & STUDIO PROJECT GRADE FACTOR

<table>
<thead>
<tr>
<th>Week #</th>
<th>Project #</th>
<th>Studio Project Grade Factor</th>
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<tr>
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<td>10-14</td>
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IX. DISABILITIES AND ADA

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information visit [http://disability.tamu.edu](http://disability.tamu.edu).

X. AGGIE CODE OF HONOR

An Aggie does not lie, cheat, or steal, or tolerate those who do. Please check the Honor Council Rules and Procedures on the web [http://www.tamu.edu/aggiehonor](http://www.tamu.edu/aggiehonor). Presenting work as your own, without proper citation could be liable for plagiarism.

XI. SAFETY

Throughout the semester, you may engage in activities where you choose to handle tools, equipment, and/or materials that require care in their use. Maintain your desk and workspace
so that no obstacles that could harm others (i.e. cutting tools) are left unattended. **Keep your work environment clean.** If you make use of the woodshop, you must complete the safety course found through the woodshop web page located at [http://archone.tamu.edu/College/Services/Operations/Woodshop/](http://archone.tamu.edu/College/Services/Operations/Woodshop/).

**XII. PERSONAL INVESTMENT**

Your full investment in this formative studio is essential for your maturity as a landscape architect. A balance of skills and qualities is required for a well-rounded landscape architect:

> “Anyone familiar with the ever widening practice of landscape architecture is fully aware that this is not likely to be an overpopulated profession. There is a good reason for its relatively small size, as professions go. An unusual combination of concerns and capacities has proved essential in a well-rounded landscape architect. He/she must have a compelling interest in and sensitivity to, the environment as a whole. This requires of him a total view of ecology: a deep and abiding grasp of the natural world as an ongoing process of which humans are an integral part. And he/she needs innate responsiveness to people, to their problems, and to the quality of life surrounding them. With that all he/she must be a visualist: fundamental to his/her approach is a sense of design, and intimate concern for specific form at every scale, and a keen appreciation of visual relationships as these affect human behavior. His/her mission insists on a creative urge and a dedicated search for excellence. It asks of him/her the ability to see, feel, and think—with all clarity—and to communicate visually as well as verbally.

Then, above all, he/she must possess the capacity, both as a lone practitioner and in collaboration as an equal with other professionals, to blend his/her outlook, knowledge, and skills into effective action for the service of society at all levels. Ideally, this demands of every landscape architect a combination of faculties not to be found in many individuals, even in the embryonic form of early interest and aptitudes. Landscape architecture accordingly is not, and in the opinion of some probably never can be a massive profession. The public need which becomes greater every day in the face of society's destruction of the environment—will inevitably—exceed the supply of competent landscape architects” (Norm Newton, *Design on the Land*, p. 391 (1971)).

**XIII. COURSE SCHEDULE**

FALL 2015

*See attached work plan.*
<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Topic</th>
<th>Activity &amp; Due</th>
<th>P1</th>
<th>P2a</th>
<th>P2b</th>
<th>P3</th>
<th>P4</th>
<th>Readings</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>31-Aug</td>
<td>Introduction to the course review of syllabus, Issue Project #3 (Lines in the Landscape)</td>
<td>Studio desk assignments/name cards/Workshop (10am)</td>
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<tr>
<td>2</td>
<td>2-Sep</td>
<td>P1</td>
<td>Lecture prairie gardens and the role of lines, base maps, site analysis</td>
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<td></td>
<td></td>
<td></td>
<td>Morlach Introduction, etc.</td>
</tr>
<tr>
<td>3</td>
<td>5-Sep</td>
<td>P1</td>
<td>Schol Nature Preserve site visit/analysis</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Morlach 292-6</td>
</tr>
<tr>
<td>4</td>
<td>7-Sep</td>
<td>P1</td>
<td>Concept design (team reviews)</td>
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<tr>
<td>5</td>
<td>9-Sep</td>
<td>P2</td>
<td>Group review (plant groups/seasonal change)</td>
<td></td>
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<td></td>
<td>General Guidelines for Native Seeding</td>
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<tr>
<td>6</td>
<td>11-Sep</td>
<td>P2</td>
<td>Group review (lines and forms)</td>
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<tr>
<td>7</td>
<td>9/14/18</td>
<td>P2</td>
<td>Draft updates (4/14/19) for review</td>
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| 8    | 23-Sep | P3                                                                   | Presentations, Issue #2                                                         |     |      |      |      |      |          | Morlach Ch. 1 
| 9    | 18-Sep | P2                                                                   | Lecture, Introduce Project 2 Forms in Nature                                      |     |      |      |      |      |          |         |
| 10   | 23-Sep | P2                                                                   | Work day at Schofield layout plans                                              |     |      |      |      |      |          | ND      |
| 11   | 25-Sep | P2                                                                   | Individual team review, discuss natural process for site                       |     |      |      |      |      |          |         |
| 12   | 28-Sep | P2                                                                   | Review natural processes diagrams & poster layout, Individual natural form image |     |      |      |      |      |          |         |
| 13   | 30-Sep | P1                                                                   | Lecture Site Circulation & studio exercise, Natural Process Foster Day (5pm)     |     |      |      |      |      |          | Morlach Ch. 10, Simmons |
| 14   | 5-Oct  | P2                                                                   | Individual review, refined site circulation                                     |     |      |      |      |      |          |         |
| 15   | 6-Oct  | P2                                                                   | Reviews (guest critic) draft model spatial layout                               |     |      |      |      |      |          | 9th-10th, Dalys Green Roofs Healthy Cities Conf |
| 16   | 11-Oct | P2                                                                   | Individual reviews                                                              |     |      |      |      |      |          |         |
| 17   | 12-Oct | P2                                                                   | Individual reviews                                                              |     |      |      |      |      |          |         |
| 18   | 14-Oct | P2                                                                   | Reviews (individual poster draft)                                               |     |      |      |      |      |          | Due     |
| 19   | 8-Oct  | P2                                                                   | Student presentations                                                            |     |      |      |      |      |          |         |
| 20   | 21-Oct | P3                                                                   | Presentations, Issue #3 Sculpture Garden                                        |     |      |      |      |      |          | P3      |
| 21   | 23-Oct | P3                                                                   | Field Trip to the Fort Worth Botanical Garden, Dallas                        |     |      |      |      |      |          | CABC Symposium |
| 22   | 26-Oct | P3                                                                   | Present Day                                                                    |     |      |      |      |      |          |        |
| 23   | 28-Oct | P3                                                                   | Individual reviews                                                              |     |      |      |      |      |          |         |
| 24   | 2-Nov  | P2                                                                   | Group Review (draft model)                                                      |     |      |      |      |      |          |         |
| 25   | 4-Nov  | P2                                                                   | Reviews (guest critic)                                                           |     |      |      |      |      |          |         |
| 26   | 6-Nov  | P2                                                                   | Reviews P4, Introduce P5: Musical Garden                                        |     |      |      |      |      |          | P4      |
| 27   | 9-Nov  | P3                                                                   | Lecture, Review day P3, P4 from selection                                       |     |      |      |      |      |          | Morlach Ch. 7, 8, 9 |
| 28   | 11-Nov | P3                                                                   | Present P4                                                                      |     |      |      |      |      |          | P4      |
| 29   | 13-Nov | P4                                                                   | Lecture (animation) Review day                                                   |     |      |      |      |      |          |         |
| 30   | 16-Nov | P4                                                                   | Review day diagrams                                                             |     |      |      |      |      |          |         |
| 31   | 20-Nov | P4                                                                   | Group Reviews (refined concepts)                                                |     |      |      |      |      |          |         |
| 32   | 23-Nov | P4                                                                   | Review day                                                                      |     |      |      |      |      |          |         |
| 33   | 25-Nov | P4                                                                   | Review day (no classes)                                                         |     |      |      |      |      |          | Thanksgiving (11/25-28) |
| 34   | 27-Nov | P4                                                                   | Thanksgiving                                                                     |     |      |      |      |      |          |         |
| 35   | 30-Nov | P5                                                                   | Preliminary review of media presentation                                        |     |      |      |      |      |          |         |
| 36   | 2-Dec  | P5                                                                   | Due end of day                                                                  |     |      |      |      |      |          |         |
| 37   | 3-Dec  | P5                                                                   | Final Presentations                                                              |     |      |      |      |      |          |         |
| 38   | 7-Dec  | P5                                                                   | Class Journal/Portfolio Due                                                      |     |      |      |      |      |          |         |
| 39   | 15-Dec | P5                                                                   | Color key                                                                       |     |      |      |      |      |          |         |

Legend:
- **Indiv.** Individual work
- **Grp.** Group work
- **w** Written work
- **D** Due date
- **P** Presentations
- **C** Color

*Subject to change (Revised 8-26-15)*
Texas A&M University
Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
Submit original form and attachments

Form Instructions
1. Course request type:  □ Undergraduate  □ Graduate  □ First Professional (DDS, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name): Department of Landscape Architecture and Urban Planning
3. Course prefix, number and complete title of course: LAND 319 Landscape Design II

4. Change requested
a. Prerequisite(s): From: ___________________________ To: ___________________________
b. Withdrawal (reason): ___________________________
c. Cross-list with: ___________________________

Cross-listed courses require the signature of both department heads.

d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.
e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b.

5. Is this an existing core curriculum course? □ Yes  □ No
6. If grade type is changing for existing course, indicate the new grade type: □ Grade  □ S/U  □ P/F (CLMD)
7. If this course will be stacked, please indicate the course number of the stacked course:

8. I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

9. Complete current course title and current catalog course description:

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

11. a. As currently in course inventory:

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Course #</th>
<th>Title (excluding punctuation)</th>
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<tbody>
<tr>
<td>LAND</td>
<td>319</td>
<td>LANDSCAPE DESIGN II</td>
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Lect.  | Lab  | Other | SCH | CIP and Fund Code | Admin. Unit | FICE Code | Level |
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b. Change to:

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<tr>
<th>Prefix</th>
<th>Course #</th>
<th>Title (excluding punctuation)</th>
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</thead>
<tbody>
<tr>
<td>LAND</td>
<td>212</td>
<td>LANDSCAPE DESIGN II</td>
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Lect.  | Lab  | Other | SCH | CIP and Fund Code | Admin. Unit | FICE Code | Level |
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Approval recommended by:

Dr. Ming-Han Li
Department Head or Program Chair (Type Name & Sign) Date

Chair, College Review Committee Date

Dean of College Date

Submitted to Coordinating Board by:

Chair, GC or UCC Date

Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu
Curricular Services – 08/14
LAND 319  LANDSCAPE DESIGN II
Spring 2015 (4 credits)
Class Time: MW 8:00 am to 11:00 am
F 9:10 am to 11:10 am
Classroom: 300A Studio, 348A

Instructors: Prof. Russell Reid, Academic AIA, ASAI, AIGA
Assistant Professor of Practice
Office: A435 Langford Architecture Center
Office Hours: TR 11:00 am-12:00 pm or by appt. (recommended)
E-mail: reid@arch.tamu.edu

Prof. Mike Teal, RLA
Office: A332 Langford Architecture Center
Office Hours: MWF 11:10 am-12:10 pm or by appt. (recommended)
E-mail: tealdesign@wicksonwireless.com

Course: LAND-319, Spring 2014
Texas A&M University
College of Architecture
Department of Landscape Architecture and Urban Planning
Prerequisites: Land 254, Land 255, Land 318, and Land 329

COURSE DESCRIPTION

This course covers the following:
Continuation of LAND 318; basic design principles that combine natural systems (such as
landform, water, vegetation, wildlife habitat, soils, climate) and human-built systems (such as
roads, building utilities).
Prerequisites: LAND 318 and LAND 329.

LAND 319 is the second introductory studio course in landscape design. Following LAND 318,
this course shifts the focus of decision-making from the form of design to the meaning of form.
LAND 319 introduces the students to basic understanding of human-environment interactions
that influence and are influenced by design decision-making. This course introduces how to
design physical settings that foster social interactions, improve people’s psychological well-
being, as well as support active living behaviors. Students are also introduced to the basic design
knowledge of environmental perception, human preferences and fears, way finding, cognitive
mapping and restorative environments as a basis for making design decisions. The course will
concentrate on developing the students’ ability to apply basic site design principles that combine
human factors with natural systems to create usable three dimensional spaces that are
environmentally, socially, and culturally equitable. Students are also introduced to the tools and
methods to be used during systematic design process, including mapping, trace measures, and
observation to understand and analyze human behaviors. Students are expected to develop the
ability to apply basic site design principles that combine natural elements (landform, vegetation,
water, climate, etc.) and human-built elements (roads, paths, buildings, utilities, furniture, etc.), to
design responsively to the functional, environmental, aesthetic and cultural requirements of the

Department of Landscape Architecture and Urban Planning  Texas A&M University
LAND-319, Spring 2015
site.

This design studio continues to build on student's design, communication, and technical skills. It employs several small- to medium-size projects to introduce students to different behavioral settings, such as places to live, work, play and learn. This course also continues to develop the students' visual thinking and graphic problem-solving skills.

LEARNING OUTCOMES

The student learning outcomes include:
1. Utilize refined skills of landscape space and form arrangement, as a means to resolve conflicting functional relationships and creating desired design outcomes; demonstrate skills through 3-4 semester projects.
2. Articulate understanding of landscape design process and methods with an emphasis on developing students' creative problem-solving ability, including creative attitude, critical thinking, place sensitivity, analytical skills, and evaluation and synthesis skills through assignments.
3. Explain basic understanding of the natural and cultural systems, forces, and dynamic processes that affect landscape design and demonstrate the results in 3-4 semester projects.
4. Describe how to observe, map, and trace human behaviors and cultural data systematically, and interpret the findings through 2 campus walking tours designed to audit human behaviors.
5. Analyze site- and culture-specific landscape design approaches and principles required in creating environmentally sensitive and culturally appropriate design solutions.
6. Effectively communicate ideas graphically and verbally, with an emphasis on developing visual thinking and graphic problem-solving skills, especially with quick perspective sketch methods as a tool to generate, assess, and communicate design ideas. This should be accomplished in 3-4 semester projects.

TEACHING METHODS

Juried Studio Projects: The course will be taught primarily through juried studio projects. Studio projects will be ongoing and will vary in duration ranging from three to four weeks. There will be three studio projects throughout the entire semester. Each student is required to complete design projects individually and in teams.

Individual Studio Reviews: These will be graded class reviews based upon student work reviewed on an individual or small group basis. When a student or group fails to have work that can be reviewed and critically assessed on any specific day, the evaluation for that graded exercise will reflect a missed studio critique.

Lectures and Discussions: Lectures relevant to each studio project will be given at the beginning of and/or during each project. These lectures will be used to present new projects, review current projects and to discuss information from the text and other selected reference materials. Guest lecturers and speakers will be announced and students are expected to make every effort to attend lectures given during class periods. Credit opportunities will be offered for attending lectures outside class time.

Readings: Reading will be assigned to prepare students for the content and context of studio assignments and to provide the knowledge base to comprehend the critical issues to be addressed.
**Field Research:** On-site investigations will be conducted to develop an understanding of user behaviors and preferences for shared open space settings. The understanding gained will be incorporated into design performance criteria on which studio project decisions will be based.

**Field Trips:** Two one-day field trips are planned (preliminary destinations are Local and Dallas area) during which landscape architecture projects will be toured and introduced by the professionals who designed them. Students are expected to document their observations and to be able to analyze and discuss the sites. More explicit instructions on documentation are forthcoming.

**COURSE EXPECTATIONS AND STUDENT RESPONSIBILITIES**

Students of LAND 319 are expected to spend 16 hours a week (including 8 hours in class) on average in order to complete course assignments. Never expect that scheduled regular class time is adequate to finish all the course assignments with satisfactory quality. All students in LAND 319 are required to do the following:

1. **Attend all classes.** Class attendance is expected and required unless prior arrangements have been made with the instructor. Absences or late submissions due to health-related problems, emergency situations, or mandatory participation in University-sanctioned activities will be excused if written verification is supplied to the instructor within one week. Excused absences and alternative graded activities are defined in TAMU Student Rule 7: [http://student-rules.tamu.edu/rule07](http://student-rules.tamu.edu/rule07). Absence of more than 3 studio days will result in a grade reduction for the course.
2. **Be adequately prepared** for instructors’ desk critiques and class discussion – every class period. Learning design is not a passive activity and will require considerable effort — and reflection — for success.
3. **Actively participate in class** or group discussions. Students are strongly encouraged to discuss and provide critique of one another’s work both during and outside of class periods.
4. **Complete course assignments independently,** or make individual contributions to team efforts, and submit all assignments on schedule.
5. **Communicate with the instructors** proactively and inform them of any concerns, questions, or suggestions you may have for the class in a timely manner.
6. **Submit all assigned work** in both digital and hard copy formats for final evaluations on time and in the proper format. Original work is expected – plagiarism is unacceptable.

**Please note:** All student projects become the property of the Department according to University Policy. Although most projects will be returned to students after they have been graded, some student projects may be retained by the Department for the purpose of accreditation review and as teaching references for future classes. However, kept projects will be available for students to document for portfolio purposes.

**GRADING POLICY**

The student’s final grade of this course is determined by the following components and formulas:

- Project 1: 20%, project 2: 25%, project 3: 30%
- **A.** 75% -- Studio Projects
- **B.** 15% -- Research Case Studies and critical summaries
- **C.** 10% -- Instructor Evaluation
Including the following considerations: Preparation and participation in all class activities and discussion, graded individual studio reviews, experimentation, exploration, and improvement of work during the term.

**Final Grade = A+B +C+**

Final grades for the course will be assigned as letter grades. Letter grades indicate:

**A** = **The work is excellent** (90 – 100) It represents the highest level of academic performance, mastery of the subject material, accuracy in execution, communication and completeness for the level of complexity undertaken at the level of preparation the student has achieved: exceeds expectations.

**B** = **The work is good** (80 – 89) It represents good work, or above average standard of academic performance regarding technical accuracy, communication and completeness for the level of complexity undertaken at the level of preparation the student possesses: meets or slightly exceed expectations.

**C** = **The work is average** (70 – 79) It represents average performance for the level of complexity it addresses at the student’s level of advancement in the program, consistent with performance rated as an unqualified passing grade: meets expectations.

**D** = **The work is below average** (60 - 69) It represents below average performance relative to the level required or expected for advancement in the program. It is representative of performance consistent with a qualified passing grade but demonstrates a lack of basic understanding and mastery: fails to meet expectations.

**F** = **The work is below the minimum passing standard** (below 60) It is a level of performance demonstrating no mastery of the subject and below that required for a passing grade: exhibits no understanding of expectations.

**Note:** To be considered for grade in this course, work must be turned in on the assigned due date and time. Late submission of work will result in a reduction of 10% (a full letter grade) for each day late. Incomplete work shall not be accepted.

**REQUIRED TEXTBOOK**

**ASSIGNED READINGS***


*Additional readings will be announced/circulated with the project(s) and whenever possible posted on eLearning.tamu.edu

**SCHEDULE:** A schedule of Projects and week-by-week timeframe is attached. The week-by-week schedule as well as this Syllabus is subject to changes and modifications as needed. Particular changes in the dates and times in the schedule would be for the Field Trips and Field Research. Field Trips WILL require time outside of the normal scheduled studio time and written Instructor/Departmental documentation will be provided.
ACADEMIC HONESTY: The Aggie Honor Code states, "An Aggie does not lie, cheat, or steal or tolerate those who do." In our attempt to live up to the ideal that education advances honesty, integrity, and individual responsibility, it is anticipated that students will adhere to the tenets of the code in all respects as an integral part of their education — that is, we are here to teach ourselves how to become honorable, contributing citizens. Adherence to the code is expected as a condition of enrollment in this class. Students are referred to the Honor Council Rules and Procedures found at the website: http://www.tamu.edu/aggiehonor. Turning in studio graphic work that has already been submitted previously in another class is considered to be cheating in this program.

AMERICANS WITH DISABILITY ACT STATEMENT: The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information visit http://disability.tamu.edu.

SEE SEMESTER SCHEDULE BELOW
<table>
<thead>
<tr>
<th>Week No.</th>
<th>Date</th>
<th>Class Activities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wk1</td>
<td>1/19 (M)</td>
<td><strong>M.L. King, Jr. Day (No class)</strong></td>
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<tr>
<td></td>
<td>1/21 (W)</td>
<td>Review course syllabus (Rm.: 486 Course overview of projects <strong>Issue Project 1:</strong> “Campus Plaza” (formally: Diversity Plaza)</td>
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<td></td>
<td>1/23 (F)</td>
<td>Film presentation</td>
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<td>Divide into teams (6 Groups)</td>
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<td>Reading Assignment #1</td>
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<tr>
<td>Wk2</td>
<td>1/26 (M)</td>
<td><strong>FIELD TRIP:</strong> Plaza research, information gathering, onsite mapping.</td>
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<td>Case Study Assignment: <strong>Teams will compile a PowerPoint on 3 case studies each.</strong></td>
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<td>1/28 (W)</td>
<td>Workday - studio</td>
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<td>1/30 (F)</td>
<td><strong>DUE:</strong> Presentation of Case Studies @ 9:00 am</td>
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<td>Reading Assignment #2</td>
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<tr>
<td>Wk3</td>
<td>2/02(M)</td>
<td>Information Diagramming</td>
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<td>Team Concepts</td>
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<td>Desk critiques - <strong>studio</strong></td>
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<td></td>
<td>2/04 (W)</td>
<td>Begin Preliminary Designs</td>
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<td>PowerPoint Lecture A</td>
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<td>Desk critiques - <strong>studio</strong></td>
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<td>Reading Assignment #3</td>
</tr>
<tr>
<td></td>
<td><strong>2/05 (R)</strong></td>
<td><strong>LAUP Career Fair</strong></td>
</tr>
<tr>
<td></td>
<td><strong>2/06 (F)</strong></td>
<td><strong>ASLA Aggie Workshop (no class)</strong></td>
</tr>
<tr>
<td>Wk4</td>
<td>2/09 (M)</td>
<td><strong>DUE:</strong> Preliminary Designs @ 8:00 am</td>
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<td></td>
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<td>Begin Finished Design</td>
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<td></td>
<td></td>
<td>Desk critiques - <strong>studio</strong></td>
</tr>
<tr>
<td></td>
<td>2/11 (W)</td>
<td>PowerPoint Lecture B</td>
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<tr>
<td></td>
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<td>Desk critiques - <strong>studio</strong></td>
</tr>
</tbody>
</table>
2/13 (F)  Desk critiques – *studio*
**DUE: Project 1* @ 6:00 pm, Sunday 2/15

Wk5  2/16(M)  **TEAM PRESENTATIONS** of Project 1
25 minutes per team (includes Q&A)
Begin promptly at 8:00 am
Location: TBA

2/18 (W)  **Issue Project 2:** “Henderson Park” (multi-purpose neighborhood park)
Project Lecture
Reading Assignment #4

2/20 (F)  **FIELD TRIP** to park location (local)
Information Gathering – *on location*

Wk6  2/23 (M)  Information Diagramming
Desk critiques - *studio*

2/25 (W)  Team Concepts
Preliminary Designs
Desk critiques - *studio*

2/27 (F)  Preliminary Designs
Desk critiques - *studio*

Wk7  3/02 (M)  **DUE: Preliminary Designs @ 8:00 am**
Team pin-up critiques - *studio*

3/04 (W)  Begin Final Design
Desk critiques - *studio*

3/06 (F)  PowerPoint Lecture C
Desk critiques - *studio*

Wk8  3/09 (M)  Final Design Package
Desk critiques - *studio*

3/11 (W)  **DUE: Final Design Package @ 8:00 pm**
Desk critiques - *studio*

3/12 (F)  **TEAM PRESENTATIONS** of Project 2
20 minutes per team (includes Q&A)
Begin promptly at 9:00 am
Location: TBA
<table>
<thead>
<tr>
<th>Wk9</th>
<th>3/16-20</th>
<th>Spring Break</th>
</tr>
</thead>
</table>
| Wk10 | 3/23 (M) | **Issue Project 3:** "Salado" (Urban streetscape)  
Project Lecture  
Case Studies - *studio* |
| 3/25 (W) | **DUE:** Case Study Reports @ 8:00 am  
Gather information on Salado - *studio* |
| 3/27 (F) | **FIELD TRIP** – City of Salado, TX  
Leave at 8:00 am – Return at 5:00 pm |
| Wk11 | 3/30 (M) | Information Diagramming  
Desk critiques - *studio* |
| 4/01 (W) | Begin Preliminary Design/Design Development  
PowerPoint Lecture D  
Desk critiques - *studio*  
Reading Assignment #5 |
| 4/03 (F) | Preliminary Design/Design Development  
Desk critiques - *studio* |
| Wk12 | 4/06 (M) | Preliminary Design/Design Development  
Desk critiques - *studio* |
| 4/08 (W) | **DUE:** Preliminary Designs @ 8:00 am  
Begin Final Design  
Desk critiques - *studio* |
| 4/10 (F) | PowerPoint Lecture E  
Final Design Development  
Desk critiques - *studio* |
| WK13 | 4/13 (M) | Final Design Development  
Desk critiques - *studio* |
| 4/15 (W) | Final Design Development  
Desk critiques - *studio* |
| 4/17 (F) | **DUE:** Informal Pin-up & Critique  
Class Member Critique - *studio* |
| WK14 | 4/20 (M) | Final Design Documentation  
Desk critiques - *studio* |
4/22 (W)  Final Design Documentation
            Desk critiques - studio

4/22-24(W-F) Texas ASLA Conference Galveston, TX*
*NOTE: You may be excused from this Friday class
meeting if you attend the Texas ASLA Conference in
Galveston. You MUST provide proof of attendance.
(Friday only).

If you do not attend the conference then you will still
be expected in the Friday studio.

Wk15 4/27 (M)  Final Design Documentation
            Desk critiques - studio

4/29 (W)  DUE: Final Design Documentation
            Soft Project Presentation @ TAMU
            TEAM PRESENTATIONS of Project 3
            25 minutes per team (includes Q&A)
            Begin promptly at 8:00 am
            Location: (TBA)

5/01 (F)  FIELD TRIP – City of Salado, TX
            Leave at 8:00 am – Return at 5:00 pm
            TEAM PRESENTATIONS of Project 3
            25 minutes per team (includes Q&A)
            Begin promptly at (TBA)
            Location: (TBA)

Wk16 5/04 (M)  Review Semester
            Wrap-up discussion
            Last Day of Class
            DUE: LAND-319 Portfolio @ (TBA)

Note: Total class periods: *39 to 41
Texas A&M University
Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
• Submit original form and attachments •

Form Instructions
1. Course request type: ☑ Undergraduate □ Graduate □ First Professional (DDS, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name): Department of Landscape Architecture and Urban Planning
3. Course prefix, number and complete title of course: LAND 320 Landscape Design III
   Attach a brief supporting statement for changes made to items 4a thru 4d, and 10 below.

4. Change requested
   a. Prerequisite(s): From ___________________________ To: ___________________________
   b. Withdrawal (reason): ___________________________
   c. Cross-list with: ____________________________________________

   Cross-listed courses require the signature of both department heads.

   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.

   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course? ☑ Yes □ No

6. If grade type is changing for existing course, indicate the new grade type: ☑ Grade □ S/U □ P/F (CLMD)

7. If this course will be stacked, please indicate the course number of the stacked course:
   ☑ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-control/export-control-basics-for-distance-education).

9. Complete current course title and current catalog course description:
   Design process, synthesis and design refinement; problems to stimulate highly creative self-motivated results, design thinking to integrate behavioral settings into natural and/or built landscape systems.

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):
    Design process, sustainable landscape design, synthesis and design refinement; problems to stimulate highly creative self-motivated results, design thinking to integrate behavioral settings into natural and/or built landscape systems.

11. a. As currently in course inventory:

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<th>Prefix</th>
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<td>Landscape Design III</td>
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b. Change to:

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<th>Prefix</th>
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<th>Title (excluding punctuation)</th>
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<tbody>
<tr>
<td>LAND</td>
<td>311</td>
<td>Landscape Design III</td>
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</table>

<table>
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<th>Lab</th>
<th>Other</th>
<th>SCH</th>
<th>CIP and Fund Code</th>
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<th>Acad. Year</th>
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<td>1694</td>
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<td>0 0 3 6 3 2</td>
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</tbody>
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Approval recommended by:

Dr. Ming-Han Li

Department Head or Program Chair (Type Name & Sign) Date 10/4/15
Chair, College Review Committee Date

Department Head or Program Chair (if cross-listed course) Date 10/4/15
(For College Approval)

Dean of College Date 10/4/15

Submitted to Coordinating Board by:

Chair, GC or UCC Date

Associate Director, Curricular Services Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu.
Curricular Services – 08/14
Class: Class Title: LAND 320 – Landscape Design III
Class Hours: Mon., Wed.: 12:40pm-4:00pm + Fri: 12:40pm - 3:10pm
Location: ARCA 348 and 300B
Course Credits: 5

Professors: Galen Newman, PhD, ASLA, APA
Office: Scoates Hall 103
Email: gnewman@arch.tamu.edu
Office Hours: M-W – 10:00am-12:00pm

Kenneth Hurst, PLA
Instructor of Record
Email: khurst5775@tamu.edu
Office Hours: W & F – 11:00am – 12pm, or by appt.

Ryun Jung Lee
Teaching Assistant
Email: ryunjungle@gmail.com
PhD Student, Urban and Regional Sciences

COURSE DESCRIPTION:
Studio Title: The G.R.I.D.D. Studio: Geospatial Research and Innovative Digital Dialogues

Introduction: This design studio stresses design process, synthesis and design refinement, problems solving, highly creative self-motivated results, and design thinking which integrates behavioral settings into natural and/or built landscape systems. You will demonstrate your command of these skills through a semester long studio stressing multi-scaled analyses and digital representation. You are expected to bring to class an understanding of expectations required of an emerging landscape architect such
as creative thinking and expression, the discipline and camaraderie fostered in the
design studio, professionalism, and skills required during the process of preparing
suitable communications products. Your expectation for quality of work from the
studio should be that your products will provide suitable and professional quality
material for you to use in your design portfolio as you search for an internship and/or
job. Presentations and products developed during the semester will facilitate a
deeper understanding of the processes and procedures of professional design
services.

This studio builds applies the theoretical knowledge and design skills you have
learned thus far in reference to architecture, urban design, and landscape
architecture, and introduces new skill sets on how to design using Low Impact
Development strategies. This studio project will based on a service learning project
on the regional/community scale which takes an approach to design which engages
the site as an integrated design problem which is best solved through a multi-scalar
design process. Drawing on multiple disciplines, you will study the process of
exploring alternatives for site visions and master planning in an effort to promote Low
Impact Development based design which emphasizes water quality and hydrological
sensitivity. The studio is also intended inform your understanding of designs in relation
to an existing context. Students explore multicultural and ecological layers of existing
spaces, as well as the role of landscape management and the creative design
process to compose and arrange these elements in an effective manner.

Site: Manchester Community, Houston, TX

Learning Outcomes:

- Articulate knowledge of the design process by producing a site inventory,
site analysis, project program, design concepts, master plan, and detailed
drawings.
- Enhance creative problem-solving skills (including creative attitude, way of
thinking, and basic techniques) learned from LAND 318 & 319; and
demonstrate the results in 3-4 semester projects.
- Conduct site analysis on the 3-4 semester projects by producing site
inventories and analysis maps (application of research to design);
- Apply and improve design communication skills (e.g. graphic, written and
verbal communication) from previous courses including LAND 254, 255, 318
& 319.
- Refine form-making and space-making skills in outdoor environments (i.e., to
apply design elements and principles to transform an abstract idea or
concept into a concrete 3-dimensional spatial form) by completing 3-4
semester projects.
- Apply principles related to Low Impact Development strategies and
innovative techniques for creating living systems from lectures and assigned
reading by submitting lecture summaries.
Expectations: In this studio certain information, as appropriate, will be delivered through lectures, presentations, or demonstrations. However, much of the actual learning will occur through interactions with your professors, visiting professionals, clients, and colleagues. There is a high expectation that you will explore the subject matter on your own—read current articles in professional publications, browse the library for books, bring questions and observations to the studio. Be diligent and stay current with reading assignments, be prepared to discuss them in class, or write a summary, or respond to a quiz.

You are expected to make productive use of your studio time, to attend class punctually and regularly, and to meet deadlines. To work in the studio is especially important as it fosters the interaction among students that is vital to the studio experience. You are responsible for presenting design ideas in the form of drawings, models and questions as necessary for discussion for each day of studio. Initiative and self-motivation is highly valued.

Phases: I - Define the Scope of the Project/Issues to be Addressed
II - Gathering Information/Analysis and Case Studies (Contextual and Site Specific)
III - Design System/Conceptual Development
IV - Design Development /Master Plan Development
V - Design Schematics/Design Implementation and Phasing
VI - Graphic Refinement

Principles for Success: 1. Executing a design strategy from conception to final design
2. Intensively researching your site, subject, and design investigation
3. Intelligently incorporating criticism from faculty into your design response
4. Developing an internal criticism methodology
5. Utilizing carefully constructed drawings to communicate ideas

Field Trips: Students are expected to participate in scheduled field trips. These will be announced well ahead of time and incorporated as closely as possible into class schedules. Excuse letters will be provided requesting students be allowed to make up any missed work due to absences from other courses.

Class Routine: Workday: Critically important work time for you to independently produce your project without distraction. I will be available during this time for questioning.

Crits: More informal desk interactions/studio pin-ups where you can engage a single faculty member in a longer design dialogue. Normally, these are performed for pre-specified specific students during workdays. Each student/group is required to pin-up/show work, at minimum, TWICE A WEEK.
Interim Reviews: These will be pre-final review pin-up sessions in which you will present to myself and your studio colleagues.

Final Reviews: Formal assessments of projects by a jury of faculty and professionals.

Groups: Each term will consist of work done in group efforts. Each group will be assigned a particular area of interest for analysis/design. These areas will be distributed during the semester.

Final Course Submission Requirements
All text, drawings, photographs of models, images, and boards are to be saved onto a disk and submitted to the instructor. Exact specifications for saving format will be issued after final presentations. No final passing grade will be issued without the project saved per the instructor’s requirements.

ASSESSMENT
Evaluation:
Projects will be evaluated by the instructor and this evaluation will be impacted by critics. Evaluations will include the thoroughness of research and analysis, the quality of the design premise, the process used in originating and developing design ideas, the final design drawings, the craftsmanship exhibited in drawings, models or other products, and the effectiveness of graphic and oral communication. Specific elements to be evaluated include project background, problem statement/rationale, site, setting, contextual analysis and existing trends, research and/or case studies, design framework or concept, design process/response to criticism and work ethic, and the final product. Students are expected to engage in all of the following:

- Independent work ethic and through design process
- Critical and creative thinking skills
- Contributing to the knowledge of the studio
- Clear understanding and general grasp of the issues at hand (project substance)
- Rigorous work effort and diligence in questioning and exploring
- Creativity and exploration of ideas (insight, originality, innovation)
- Development of specific design strategies which address an existing issue
- Craftsmanship which displays care, interest, and skill in learning mediums

Evaluation Criteria: The following standards will be used in grading project work:

- A (89.50 - 100) Distinction: Work that is truly superior and demonstrates original insights, extraordinary depth of research, professional quality, or a highly creative and convincing design resolution.
- B (79.50 - 89.49) Above Average: Work that is above the norm and goes beyond the stated requirements, but lacks extraordinary insights or has aspects which are not fully resolved.
- C (69.50 - 79.49) Average: Work that is acceptable and satisfies the stated requirements, though there may be substantial flaws in design resolution, craftsmanship, or presentation.
• D (59.50 – 69.49) Below Average: Work that barely meets minimum requirements.
• F (0 – 59.49) Unsatisfactory: Work that is unfinished and incomplete or is clearly below program standards

Grade Components
Assignments (80%):
  o 5% - GIS Modules
  o 2.5% - Case Study
  o 5% - Orientation/Problem Statement Infographics
  o 7.5% - Inventory/Analysis
  o 15% - Mid-Term Presentation
  o 7.5% - Conceptual Design
  o 7.5% - Master Plan
  o 10% - Design Schematics
  o 20% - Final Presentation

Design Skills (20%):
  o 5% - Representation (Diagrams, Plans, Perspectives, Modeling, etc...)
  o 5% - Design Ability
    • design evolution and process
    • research, analysis, and work effort
    • conceptual strength, clarity, and project substance
    • graphic refinement/presentation
  o 10% Critical Response/Participation
    • criticism incorporation and design development
    • professional attitude and studio activity
    • attendance + interaction

POLICIES
Class Policy: You are enrolled in one of the top Landscape Architecture programs in the world at a world class university. We will regard each and every one of you as adults and treat you as such. We will also require that you conduct yourselves as adults and will hold you to the highest academic standards. You are, by association, Ambassadors of the College of Architecture at Texas A&M University and carry with you the responsibility of that representation. Also, respect must be maintained at all class times. Thus:
  • No cell phone conversations/no ringtones
  • Be ready on time (prepare before)
  • Inter-student learning is highly encouraged
  • Criticism must be incorporated or answered

Attendance: Your presence is required and expected in class at all designated times. As a student, you are already aware of the role of the studio plays as a microcosm for timeliness, deadline meeting, thought and filtering, and as a venue for information obtainment.

Your attendance is critical to your success in this course. We will cover an extensive amount of material at a very fast pace. If you have an unexcused absence, you will
not be permitted to make up the material you missed. Punctual and regular attendance is necessary and mandatory. For a full set of university policies on missed classes please see the following link for student rule #7: https://student-rules.tamu.edu/rule07

Disability Access: The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information visit http://disability.tamu.edu.

Work Obtainment: Noteworthy work may be retained by the Dept. of LAUP for future display and review by the Landscape Architecture Accreditation Board. Please document your work for your records.

Academic Integrity: “An Aggie does not lie, cheat or steal, or tolerate those who do.” For additional information, please visit: http://aggiehonor.tamu.edu.

Expectations: Students are expected to engage in self-motivated questioning, critical and creative thinking, rigorous exploration, and personal position making and a willingness to engage in dialogue, exchange ideas, and contribute to the collective growth of the studio. All students are expected to exhibit courtesy to all others working in the studio, including, but not limited to avoiding excessive noise, sharing in the maintenance and use of shared resources such as the light table and computers, and maintaining the studio space in a clean and safe manner.

Special Requirements: Full size boards, models, and other project work may be retained by the Program for future display and review by the Landscape Architecture Accreditation Board.

All students are expected to supply their own standard drafting equipment and supplies. For funded public service projects, some funding may be available for travel and supplies.

Equipment: You are responsible for the project costs associated with providing the materials and services listed below and any other costs associated with completion of your individual project:

- Drafting and model media (sketch paper, boards, markers, pens, etc.)
- Various materials for assignments (common and easily found items in stores)
- Computer and Software (i.e. - Adobe Illustrator, Adobe Photoshop, AutoCAD, GIS)
- Digital storage media as needed (such as DVDs or Flash Drives)
- Reproduction and photography costs (this includes plotting and printing costs/copying/mounting/binding, etc.)
- At least one role of tracing paper (30") you may want a smaller one as well or the ability to use smaller sizes for sketches.

Texas A&M University • Galen Newman, PhD • Department of Landscape Architecture and Urban Planning
- Scales: engineers and architects
- Digital camera or access to one
- Laptop with Adobe Photoshop/Illustrator, Acrobat, Auto CAD, PowerPoint, Word, SketchUp, Excel

**Software Utilized:**

Because this is a studio is primarily digitally based, there will be many programs necessary. All of these programs are installed on the computers in Langford and are therefore not necessarily required for purchased on your own personal laptop. However, you will need these programs throughout your career so I suggest you go ahead and bite the bullet.

**Student Versions of Software:**

**ARC GIS**
- Arc Map
- Arc Catalog
- Arc Toolbox
- Arc Scene

We will set you up with this through the library

**AutoCAD**
- Free student version:

**LandF JX**
- Free student version
  https://www.landfx.com/academic.html

**Adobe Creative Suites**
- Photoshop
- Illustrator
- InDesign
- Acrobat Pro
  - Available for student discount on campus (software.tamu.edu)

**Google Sketchup Pro**
- Trial version:
  http://sketchup.google.com/product/gsup.html

**Site Visits:**
You will be required to the site one or more times throughout the semester for observational research. Be forewarned that these visits are mandatory.

**Syllabus Changes:**
Both the syllabus and the attached course calendar are tentative. The instructor reserves the
right to make changes in the syllabus or schedule throughout the course as it may become necessary.

Course Schedule: See Attached
<table>
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<th>AUG.</th>
<th>MONDAY</th>
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<td>SEPT 28 - Workday - Context Inventory/Analysis</td>
<td>SEPT 18 - Crit-Site Orientation/Problem Statement</td>
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<td>OCT 2 - Context Inventory/Analysis: Presentations</td>
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<td>OCT 12 - Crit-Site Analysis</td>
<td>OCT 14 - INTERIM PRESENTATIONS</td>
<td>OCT 9 - Site Analysis</td>
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<td>OCT 19 - LAUP RESEARCH SYMPOSIUM</td>
<td>OCT 21 - Workday: Conceptual Design</td>
<td>OCT 16 - MID-TERM PRESENTATIONS</td>
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<td>OCT 26 - Workday: Conceptual Design</td>
<td>OCT 23 - ACSP / POTENTIAL SITE VISIT</td>
<td>OCT 30 - Workday: Master Plan Development</td>
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<td>NOV.</td>
<td>NOV 2 - Workday: Master Plan Development</td>
<td>NOV 4 - Crit: Master Plan Development</td>
<td>NOV 6 - Concept and Master Plan Presentations</td>
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<td>NOV 9 - Workday - Design Schematics</td>
<td>NOV 11 - Workday - Design Schematics</td>
<td>NOV 13 - Crit: Design Schematics</td>
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<td>NOV 16 - Design Schematics Presentations</td>
<td>NOV 18 - Design Impact</td>
<td>NOV 20 - Design Impact</td>
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<td>NOV 23 - INTERIM PRESENTATIONS</td>
<td>NOV 25 - READING DAY</td>
<td>NOV 27 - THANKSGIVING HOLIDAY</td>
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<td>NOV 30 - Design Refinement/Criticism Response</td>
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<td>DEC 4 - FINAL PRESENTATIONS (2)</td>
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<td>DEC 9 - FINALS</td>
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<td>DEC 16 - FINALS</td>
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Texas A&M University
Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
Submit original form and attachments

Form Instructions
1. Course request type: ☑ Undergraduate  □ Graduate  □ First Professional (DDS, MD, JD, PharmD, DVM)

2. Request submitted by (Department or Program Name): Department of Landscape Architecture and Urban Planning

3. Course prefix, number and complete title of course: LAND 321 Landscape Design IV

4. Change requested
   a. Prerequisite(s): From: ________________________________ To: ________________________________
   b. Withdrawal (reason):______________________________
   c. Cross-list with: ________________________________

   Cross-listed courses require the signature of both department heads.

   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 9a and b for a change in title.

   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 9a and b. Attach a course syllabus.

5. Is this an existing core curriculum course? ☑ Yes  □ No

6. If grade type is changing for existing course, indicate the new grade type: □ Grade  ☑ S/U  □ P/F (CLMD)

7. If this course will be stacked, please indicate the course number of the stacked course:
   ☑ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

8. Complete current course title and current catalog course description:
   Continuation of LAND 321; land design projects of increased complexity with site scale problems used to demonstrate complete design thought. One or more field trips may be required as part of the course.

9. Complete proposed course title and proposed catalog course description (not to exceed 50 words):
   Continuation of LAND 321; land design projects of increased complexity and emphasis on sustainability, with site scale problems used to demonstrate complete design thought. One or more field trips may be required as part of the course.

10. a. As currently in course inventory:

    | Prefix | Course # | Title (excluding punctuation) |
    |--------|----------|------------------------------|
    | LAND   | 321      | Landscape Design IV          |

    | Lect. | Lab | Other | SCH | CIP and Fund Code | Admin. Unit | FICE Code | Level |
    |-------|-----|-------|-----|-------------------|-------------|-----------|-------|
    | 2.00  | 9.00| 0.00  | 5.00| 0406010006        | 1694        | 0 0 3 6 3 2 | 3     |

    b. Change to:

    | Prefix | Course # | Title (excluding punctuation) |
    |--------|----------|------------------------------|
    | LAND   | 312      | Landscape Design IV          |

    | Lect. | Lab | Other | SCH | CIP and Fund Code | Admin. Unit | FICE Code | Level |
    |-------|-----|-------|-----|-------------------|-------------|-----------|-------|
    | 2.00  | 9.00| 0.00  | 5.00| 0406010006        | 1694        | 0 0 3 6 3 2 | 3     |

11. Approval recommended by:

   Dr. Ming-Han Li
   Department Head or Program Chair (Type Name & Sign)  Date  10/6/15

   Chair, College Review Committee  Date  10/6/15

   Dean of College  Date  10/6/15

   Submitted to Coordinating Board by:

   Chair, GC or UCC  Date  10/6/15

   Effective Date  10/6/15

   Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandr.williams@tamu.edu

   Curricular Services – 08/14
LAND321
Landscape Design IV
Spring 2015, 5 credit hours

| Class Time: | MW 12:40 pm ~ 4:15 pm / F 1:45 pm ~ 4:15 pm |
| Class Room: | A348 / A300 Langford Architecture Center |

Instructors:

Jun-Hyun Kim, Ph.D.
Office: A318A Langford Building
Email: jhkim@arch.tamu.edu
Phone: 845.2532
Office Hours: M/F 11:00am ~ 12:00pm or by appointment

Young Jae Kim, Ph.D., Lecturer
Office: A307 Langford Building
Email: yjkim2011@tamu.edu
Phone: 845.5041
Office Hours: M 10:30am ~ 12:00pm T 10:00am ~ 11:00am or by appointment

Prerequisite: LAND 320, 330 or instructor’s permission

I. COURSE DESCRIPTION

LAND 321 is intended to be the most productive design studio of the five year BLA program. The underlying theme for the course addresses landscape design at the community scale. The work will emphasize master planning with design of specific settings as the test of broad planning concepts. The work of this semester is intended to draw upon and provide opportunity to integrate the experiences and skills developed in all previous semesters of the studio design sequence. This will be accomplished through the provision of site plans and designs for major components of the urban/suburban landscape environment. The products of the semester are intended to provide you with the experience and the vehicle to refine and develop your competence in applying knowledge through design process to address the complex landscape development issues found in contemporary practice. Completed projects should provide you with most accomplished examples of design and communication work for inclusion in your portfolio.

The specific theme for this semester is the design of the urban landscape for the enhancement of sustainability and healthy living in its broadest sense. Overall direction for the semester is established by the objectives for the course described later. The overarching goal of the course is to gain experience in addressing typical land planning and urban design projects of a comprehensive nature in which the holistic aspects of the landscape are considered as determinants of appropriate site form relationships.
The final products for the semester are to conform to the requirements for submission to the ASLA Student Design Competition. You are strongly encouraged to apply for at least one of the three competitions:

- ASLA Student Design Competition (Deadline: TBD)  
- Texas Chapter ASLA Student Design Competition (Deadline: February 5, 2015)  
  [http://www.texasasla.org/?page=Awards](http://www.texasasla.org/?page=Awards)
- International Federation of Landscape Architects (IFLA) Student Design Competition  

II. LEARNING OUTCOMES

Upon completion of this course, each student with a passing grade will:

1. Demonstrate an operational understanding of an evidence-based and evidence-generating design process, at all phases, as it is applied to the execution of complex land development projects.
2. Understand the principles of design collaboration to integrate an array of knowledge areas into comprehensive planning and design decisions.
3. Demonstrate an ability to function effectively in a design team setting as a productive and supportive member.
4. Demonstrate an understanding of urban and landscape systems and how they integrate to create a vibrant and sustainable human habitat.
5. Demonstrate the ability to independently execute a comprehensive land design project in which programming, schematic design, and design communication are integral components of service delivery.
6. Demonstrate competence in shaping landscape form, space, landscape materials and processes as intellectually defensible recommendations to create functional, ecological, behavioral, and aesthetically engaging settings.
7. Demonstrate an understanding of the performance characteristics of landscape design responsive to substantive theory considerations.
8. Demonstrate an understanding of the linkage between design and communication as the minimum requirements of successful practice.
9. Demonstrate an ability to express complex ideas in written, oral and graphic formats appropriate to the requirements of advanced knowledge-based landscape design.

III. COURSE CONDUCT

This course will be conducted as if it were a “typical” design project, handled as it might be by a design firm. In some phases of the project you may expect to work in teams (as in gathering and analyzing base data to support design investigations). In other phases you will be working
independently (as in developing and refining design solutions for specific issues on specific sites).

Project phases with emphasis on a number of different design issues will be assigned. In addition, there will be short exercises and charrettes to focus on problem-solving skills in common design practices, and developing skills in innovation in specific types of landscape designs and larger projects in which these skills will be integrated into a comprehensive landscape project. Projects requiring field investigation may have field trips to gather site-specific information.

IV. EXPECTATIONS

The basic expectation of this course is that students enrolled are interested in learning the material and invest the time and effort required to master the subject matter throughout the course of the semester.

Studio Performance: All students will be expect to conduct a substantial portion of their studio work during the regularly scheduled class periods to assure the efficient exchange of useful information and to maintain an ongoing dialogue with instructors and fellow student collaborators. Although the studio is to be devoted to work, it should not be assumed that scheduled studio hours alone will be sufficient to adequately complete the assigned tasks. It should be generally anticipated that a minimum of one additional hour of work will be required for each hour spent in the studio to complete assigned work satisfactorily. Each student will be expected to review their progress with an instructor twice weekly. Performance evaluations in this course will be based on these expectations. Unannounced, graded pin-ups and reviews should be expected on any class day.

Class Preparation: There are research, design, or communication assignments for each studio period throughout the semester. Students are expected to have completed assigned work prior to arriving at class. In addition to completing the assigned tasks, each student is expected to arrive at class with material ready to be reviewed by the faculty in order to receive the feedback necessary to take the work to the next level. All presentations are to be rehearsed prior to delivery.

Class Participation: During all lecture/discussion/presentation/field trip periods, systematic note-taking is expected. Class note-taking will generally consist of documenting the information presented as reference in order to apply the knowledge or insights gained as they relate to design situations. Assignments or comments issued to the class verbally will carry the same weight as those issued in writing (as is true in dealing with clients). During presentations, those presenting work have the responsibility to clearly articulate the information/design concepts requiring feedback. Those to whom the work is being presented have the responsibility to listen attentively and respond fully in order that useful feedback can be obtained and learning can proceed.
**Due Dates:** To be considered for credit, all assigned work must be submitted on the date/time specified and in a format/method specified (e.g. eCampus vs. hard copy submissions, specific file format in PDF, PPT, etc.). All individual assignments are to be completed independently and on schedule. Group work is an integral aspect of the learning objectives for this course and has the same requirement for timely submission as individual work. It is important to note that, consistent with the normal requirements of professional practice, meeting deadlines is of vital importance. Unless otherwise indicated, the specified time for submission of work is the beginning of the class period on the assigned due date. Any circumstances necessitating a deferred time or date of submission must be arranged with the instructor in advance of the originally scheduled due date and time.

**Classroom Decorum:** Students are expected to conduct themselves with appropriate learning behaviors. Active, informed discussion is expected from all students when discussion is appropriate. During working periods it is necessary to maintain an effective working environment. Noise is to be kept to an appropriate level at all times. Discriminatory, defamatory, or dismissive language or attitudes toward others or ideas that differ from convention, will not be tolerated. Openness to new ideas and tolerance of diversity is a basic philosophical requirement for effective professionalism. It is a fundamental requisite for the development of a flexible and informed mind.

**Studio Environment:** Students are expected to conduct themselves as in a professional working environment. The studio is not to be used as a social space or a dining room. In accordance with College policy food, drink, and tobacco are not permitted. Cell phones, movies, and music are not to be used during scheduled class periods – this includes music with earphones. All other College and University policies about use of the facilities are to be followed.

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**V. ATTENDANCE AND GRADING POLICY**

**Attendance:** Attendance is mandatory for all classes unless prior arrangements have been made with the instructor. Records will be kept of your attendance and preparedness for individual or group review of your work. Absences or late submissions due to health-related problems, emergency situations, or mandatory participation in University-sanctioned activities will be excused if written verification is supplied to the instructor prior to the event if it planned and within one week if an emergency. Students are expected to arrive at each class on time, be prepared in advance by completing the assigned research or design tasks. Attendance is defined as being present and fully engaged in the work of the course during the entire class/studio period, including having new work to review with instructors and participating in class reviews and discussions. Because much of the work for the semester will be collaborative, absences would adversely affect the work of others as well as that of students who are absent themselves. For this reason, attendance for all class periods is required. Late project submissions (more than 10 minutes beyond due date/time) will result in 5 points reduction for each hour assignment is late up a minimum of one letter grade per day. Assignments more than 2 days late (unexcused)
will not be accepted for credit and will receive a score of 0. Incomplete work will not be acceptable for credit. It is the student's responsibility to know what date and time assignments are due. More information can be found at http://student-rules.tamu.edu/rule07

Evaluation: Evaluation of student progress will be based on individual participation in the studio, interaction with counterparts on design teams, the active search for design information and design solutions, the quality of design solutions, and the quality of research reporting, design communication, and presentation drawings. All work will be weighted by the number of class days devoted to that activity with the final overall calculation of components as follows:

- **Studio Projects** 70%
  (The relative weight of each project is based on the number of weeks devoted for each project)
- **Award Submission Packet** 10%
- **Portfolio** 5%
- **Instructor Evaluations** 15% (see breakdown as follows)
  ✓ **Classroom involvement** 5%
  ✓ **Preparedness** 5%
  ✓ **Improvement** 5%

**Award Submission**
Each team must prepare their final design output for submittal to one of the awards mentioned above. Each team will extract relevant information (text and images) to prepare submittal of their work for the selected award competition.

**Portfolio**
Keep electronic images of all your complete projects. Resolution of images should be greater than 150 dpi but no more than 300 dpi. Include a cover with table of contents and selected images to represent your work. Each project must be included in your portfolio. You may include works in progress or earlier versions of your work. Submit a single PDF file that contains your portfolio.

**Grading Policy:** Student assessment for the course will be based on the documentation and presentation of material in a thorough, technically appropriate, and intellectually persuasive way. Incomplete, inaccurate, or poorly documented and communicated information/design proposals will not receive full credit for grade. The level of performance expected is to be consistent with university students in the final semester of their fourth year of study, in essence, the expectation that they have mastered the basic knowledge and skills of their profession and are prepared to employ them in a (simulated) practice setting. Differentiation among grade levels will be established as follows:

(A) **90–100 points Excellent.**
  Work is executed with confidence, demonstrating advanced understanding and skill. Information documentation is of the highest quality; the communication of findings
and recommendations is exceptional. Information and communication persuasively supports the planning and design recommendations proposed. Recommendations are directly related to findings and established performance requirements, and demonstrated to serve as a corrective to the deficiencies found in the environment. Innovations are shown to create conditions that benefit environmental health and human well-being.

(B) 80-89 points **Good**.
Work presented is competent, demonstrating good understanding of the discipline’s knowledge and skill. Information is thoroughly documented and communicated effectively. Information and design ideas are essentially complete and communicated with reasonable competence. Recommendations relate to findings and established performance requirements. Errors and omissions are minor and do not materially diminish the quality of the final result.

(C) 70-79 points **Average**.
Work is of average quality demonstrating basic functional competence with the discipline’s knowledge and skill. Information is essentially complete. Communication of information and design concepts conveys a basic understanding of the issues and recommendations are reasonably related to performance requirements. Errors and omissions are not substantive. Final results demonstrate few major failures.

(D) 60-69 points **Marginal**.
Work is below average quality demonstrating less than functional competence with the discipline’s knowledge and skill. Information is inadequate and/or incomplete leaving major lapses in the understanding required for reasonable project resolution. Recommendations do not address established performance requirements and communication reveals these inadequacies.

(F) 59 points or less **Unacceptable**.
Work is below the standard of passing, performance insufficient to demonstrate an understanding of the discipline’s knowledge and skill. Information on which recommendations are based is too weak to provide an adequate understanding of the issues to be resolved or to base recommendations for improvement. Communication confirms these inadequacies.

<table>
<thead>
<tr>
<th>VI. SEMESTER OUTLINE &amp; STUDIO PROJECT GRADE FACTOR*</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Week #</strong></td>
</tr>
<tr>
<td>-----------</td>
</tr>
<tr>
<td>1-12</td>
</tr>
<tr>
<td>13-15</td>
</tr>
</tbody>
</table>

*Find the more detailed course schedule in the attached work plan*

**VII. TEXTBOOKS**

There will be no single text for this course. Readings will be assigned from books, journals, and online sources as appropriate. Those available in PDF will be posted in eCampus.
VIII. REFERENCES


Metro (2002), Creating livable streets: Street design guideline.


IX. SUPPLY LIST

Required and at work station at all times:
- Scales (architect and engineering)
- Sketchbook
- Drafting tape
- Trace paper (18” min. roll)
- Color markers (12-24 markers)
- Black Sharpie ultra fine, fine and wide markers
- Laptop with computer software and hardware as per department standards.

Suggested:
- Color pencils (12-24 colors – variety of colors, including white and earth tones)
- Pencils (314, HB, 2B, 4B, H, etc.)
- Circle template

X. DISABILITIES AND ADA

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information visit http://disability.tamu.edu.

Evidence of time-extension requirements for examinations that have been sanctioned by the University is to be brought to the instructor’s attention during the first week of class.
XI. AGGIE CODE OF HONOR

Academic Integrity: “Aggies do not lie, cheat, or steal or tolerate those who do.” Students are expected to uphold the highest level of honesty and integrity in all their interactions, and particularly so in the pursuit of knowledge. For the Aggie Code of Honor and explanations of academic integrity and its responsibilities, see http://www.tamu.edu/aggiehonor.

The Center for Academic Integrity, affiliated with Duke University’s Kenan Institute for Ethics, surveyed 18,000 public and private high school students over four years and found that more than 60 percent admitted to some form of plagiarism, according to a 2005 report. Because a majority of students may enter university with a history of accepting plagiarism as appropriate adult behavior, it is important to note that the practice is unprincipled and represents a serious breach of trust – the basis for the delivery of effective professional design services.

Students are cautioned about copying work that was not their own effort, this includes copying design work both whole or in part (that is individual features) from the internet or other sources, and any other act that constitutes plagiarism. Plagiarism is any act that reproduces another person’s ideas, words, writings, drawings, photographs, digital media etc., and represents it as being original work. You are committing plagiarism if you copy the work of another person and turn it in as your own, even if you should have permission of that person. Rules governing plagiarism can be found in the latest edition of the Texas A&M University Student Rules governing Scholastic Dishonesty.

In addition, copying design impedes your learning experience since landscape architecture is not about the assembly of individual parts, but about the creation or original, site and human-need responsive wholes. Because learning is not transferable, it is assumed that students understand the necessity of doing their own work. Any students found to submit copied work will receive no grade (zero point) for that work and a letter outlining the incident will be placed in the student’s department file. Students are cautioned to guard their individual work and refrain from sharing, even as an example for others, because all students sharing work will be considered equally responsible for scholastic dishonesty and penalized equally. In addition, proper citations are needed for all data/information collected from the secondary sources including photos and other images.

XII. SAFETY

Throughout the semester, you may engage in activities where you choose to handle tools, equipment, and/or materials that require care in their use. Maintain your desk and workspace so that no obstacles that could harm others (i.e. cutting tools) are left unattended. Keep your work environment clean. If you make use of the woodshop, complete the safety course found through the woodshop web page located at http://archone.tamu.edu/College/Services/Operations/Woodshop/. 
XIII. PERSONAL INVESTMENT

Your full investment in this formative studio is essential for your maturity as a landscape architect. A balance of skills and qualities is required for a well-rounded landscape architect:

“Anyone familiar with the ever widening practice of landscape architecture is fully aware that this is not likely to be an overpopulated profession. There is a good reason for its relatively small size, as professions go. An unusual combination of concerns and capacities has proved essential in a well-rounded landscape architect. He/she must have a compelling interest in and sensitivity to, the environment as a whole. This requires of him a total view of ecology: a deep and abiding grasp of the natural world as an ongoing process of which humans are an integral part. And he/she needs innate responsiveness to people, to their problems, and to the quality of life surrounding them. With that all he/she must be a visualist: fundamental to his/her approach is a sense of design, and intimate concern for specific form at every scale, and a keen appreciation of visual relationships as these affect human behavior. His/her mission insists on a creative urge and a dedicated search for excellence. It asks of him/her the ability to see, feel, and think—with all clarity—and to communicate visually as well as verbally.

Then, above all, he/she must possess the capacity, both as a lone practitioner and in collaboration as an equal with other professionals, to blend his/her outlook, knowledge, and skills into effective action for the service of society at all levels. Ideally, this demands of every landscape architect a combination of faculties not to be found in many individuals, even in the embryonic form of early interest and aptitudes. Landscape architecture accordingly is not, and in the opinion of some probably never can be a massive profession. The public need which becomes greater every day in the face of society’s destruction of the environment—will inevitably—exceed the supply of competent landscape architects” (Norm Newton, Design on the Land, p. 391 (1971)).

XIV. COURSE SCHEDULE

See attached work plan.
<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Activity &amp; Due</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>21-Jan</td>
<td>First Day&lt;br&gt;&lt;ul&gt;&lt;li&gt;Welcome &amp; Introducing Project 1&lt;/li&gt;&lt;li&gt;Teams select a concentration&lt;/li&gt;&lt;li&gt;Teams begin site inventory and analysis&lt;/li&gt;&lt;li&gt;Teams begin case studies&lt;/li&gt;&lt;/ul&gt;</td>
<td>MK Holiday (Jan 19)</td>
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<tr>
<td>2</td>
<td>26-Jan</td>
<td>Site inventory &amp; analysis&lt;br&gt;&lt;ul&gt;&lt;li&gt;Lecture: The ECD Overview (Jan 23)&lt;/li&gt;&lt;li&gt;Conducting site analysis and case study&lt;/li&gt;&lt;li&gt;Reviewing stiographic examples&lt;/li&gt;&lt;/ul&gt;</td>
<td>Class Field Trip (Jan 30)</td>
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<tr>
<td>2</td>
<td>28-Jan</td>
<td>Site inventory &amp; analysis&lt;br&gt;&lt;ul&gt;&lt;li&gt;Lecture: Workable Community (Jan 28)&lt;/li&gt;&lt;li&gt;Conducting site analysis and case study&lt;/li&gt;&lt;li&gt;Developing layout and graphic components for site analysis and case study report&lt;/li&gt;&lt;/ul&gt;</td>
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<tr>
<td>3</td>
<td>30-Jan</td>
<td>Field Trip&lt;br&gt;&lt;ul&gt;&lt;li&gt;Visiting project site&lt;/li&gt;&lt;/ul&gt;</td>
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<tr>
<td>4</td>
<td>2-Feb</td>
<td>Site inventory &amp; analysis&lt;br&gt;&lt;ul&gt;&lt;li&gt;Lecture: UD Application and Project Examples (Feb 2)&lt;/li&gt;&lt;li&gt;Conducting site analysis and case study&lt;/li&gt;&lt;li&gt;Developing layout and graphic components for site analysis and case study report&lt;/li&gt;&lt;li&gt;Defining design goals and objectives&lt;/li&gt;&lt;li&gt;Finalizing portfolio for Career Fair&lt;/li&gt;&lt;/ul&gt;</td>
<td>LAUP Career Fair (Feb 5)</td>
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<tr>
<td>5</td>
<td>6-Feb</td>
<td>Participating in LAUP Workshop&lt;br&gt;&lt;ul&gt;&lt;li&gt;Applying workshop&lt;/li&gt;&lt;/ul&gt;</td>
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<tr>
<td>6</td>
<td>9-Feb</td>
<td>Site inventory &amp; analysis&lt;br&gt;&lt;ul&gt;&lt;li&gt;Case study&lt;/li&gt;&lt;li&gt;Finalizing site analysis and case study&lt;/li&gt;&lt;li&gt;Finalizing layout and graphic components for site analysis and case study report&lt;/li&gt;&lt;li&gt;Defining design goals and objectives&lt;/li&gt;&lt;li&gt;Preparing site analysis &amp; case study presentation&lt;/li&gt;&lt;/ul&gt;</td>
<td>Appalanda Saturday (Feb 16)</td>
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<tr>
<td>7</td>
<td>11-Feb</td>
<td>Site analysis &amp; case study presentation&lt;br&gt;&lt;ul&gt;&lt;li&gt;Site analysis &amp; case study presentation&lt;/li&gt;&lt;li&gt;Team Presentation &amp; Submission&lt;/li&gt;&lt;li&gt;Type of housing of the site&lt;/li&gt;&lt;/ul&gt;</td>
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<tr>
<td>8</td>
<td>13-Feb</td>
<td>Concept &amp; program development (Team)&lt;br&gt;&lt;ul&gt;&lt;li&gt;Defining design goals and objectives&lt;/li&gt;&lt;li&gt;Developing concept &amp; spatial programming&lt;/li&gt;&lt;li&gt;Selecting UD facilities&lt;/li&gt;&lt;li&gt;Selecting plants&lt;/li&gt;&lt;/ul&gt;</td>
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<td>9</td>
<td>15-Feb</td>
<td>Concept &amp; program development (Team)&lt;br&gt;&lt;ul&gt;&lt;li&gt;Defining design goals and objectives&lt;/li&gt;&lt;li&gt;Developing/refining concept &amp; spatial programming&lt;/li&gt;&lt;li&gt;Developing team master plan&lt;/li&gt;&lt;li&gt;Selecting UD facilities&lt;/li&gt;&lt;li&gt;Selecting plants&lt;/li&gt;&lt;/ul&gt;</td>
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<tr>
<td>10</td>
<td>18-Feb</td>
<td>Concept &amp; program development (Team)&lt;br&gt;&lt;ul&gt;&lt;li&gt;Developing/refining concept &amp; spatial programming&lt;/li&gt;&lt;li&gt;Developing design plan&lt;/li&gt;&lt;li&gt;Developing design plan for the final package&lt;/li&gt;&lt;/ul&gt;</td>
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<tr>
<td>11</td>
<td>20-Feb</td>
<td>Concept &amp; master plan (Team)&lt;br&gt;&lt;ul&gt;&lt;li&gt;Developing team master plan&lt;/li&gt;&lt;li&gt;Project staff knowledge&lt;/li&gt;&lt;/ul&gt;</td>
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<tr>
<td>12</td>
<td>23-Feb</td>
<td>Mid-point presentation (Team)&lt;br&gt;&lt;ul&gt;&lt;li&gt;Mid-point presentation&lt;/li&gt;&lt;li&gt;Team draft master plan&lt;/li&gt;&lt;li&gt;Due: beginning of the class&lt;/li&gt;&lt;/ul&gt;</td>
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<tr>
<td>13</td>
<td>25-Feb</td>
<td>Master plan (Team)&lt;br&gt;&lt;ul&gt;&lt;li&gt;Defining concept &amp; spatial programming&lt;/li&gt;&lt;li&gt;Developing individual master plan&lt;/li&gt;&lt;/ul&gt;</td>
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<tr>
<td>14</td>
<td>27-Feb</td>
<td>Concept &amp; detailed program development (individual)&lt;br&gt;&lt;ul&gt;&lt;li&gt;Refining concept &amp; spatial programming&lt;/li&gt;&lt;li&gt;Refining/developing UD techniques&lt;/li&gt;&lt;li&gt;Refining individual master plan&lt;/li&gt;&lt;li&gt;Developing design plan for the final package&lt;/li&gt;&lt;/ul&gt;</td>
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<tr>
<td>15</td>
<td>29-Feb</td>
<td>Master plan (individual)&lt;br&gt;&lt;ul&gt;&lt;li&gt;Defining master plan&lt;/li&gt;&lt;li&gt;Defining concept &amp; spatial programming&lt;/li&gt;&lt;li&gt;Defining individual master plan&lt;/li&gt;&lt;li&gt;Developing design plan for the final package&lt;/li&gt;&lt;/ul&gt;</td>
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<tr>
<td>16</td>
<td>1-March</td>
<td>Mid-point presentation (Individual)&lt;br&gt;&lt;ul&gt;&lt;li&gt;Mid point group review: Individual draft master plan&lt;/li&gt;&lt;li&gt;Due: beginning of the class&lt;/li&gt;&lt;/ul&gt;</td>
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<tr>
<td>17</td>
<td>26-Mar</td>
<td>Spring Break&lt;br&gt;&lt;ul&gt;&lt;li&gt;Keep thinking about your project! The world is waiting to be surprised with your brilliant ideas!&lt;/li&gt;&lt;/ul&gt;</td>
<td>Spring Break</td>
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<tr>
<td>18</td>
<td>28-Mar</td>
<td>Refined design team/individual&lt;br&gt;&lt;ul&gt;&lt;li&gt;Developing infographics site analysis/concept/program/Art 1&lt;/li&gt;&lt;li&gt;Developing layout of poster &amp; booklet&lt;/li&gt;&lt;li&gt;Developing final layout of poster &amp; booklet&lt;/li&gt;&lt;/ul&gt;</td>
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<td>19</td>
<td>30-Mar</td>
<td>Refined design team/individual&lt;br&gt;&lt;ul&gt;&lt;li&gt;Defining master plan&lt;/li&gt;&lt;li&gt;Defining concept &amp; spatial programming&lt;/li&gt;&lt;li&gt;Defining individual master plan&lt;/li&gt;&lt;li&gt;Developing design plan for the final package&lt;/li&gt;&lt;/ul&gt;</td>
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<td>Last Day&lt;br&gt;&lt;ul&gt;&lt;li&gt;Public show (Project 1)&lt;/li&gt;&lt;li&gt;Award submissions &amp; printed bound copy with PDF file / Portfolio (Due: Term)&lt;/li&gt;&lt;/ul&gt;</td>
<td>Final presentation of project 1</td>
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Texas A&M University

Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
• Submit original form and attachments •

Form Instructions:
1. Course request type:  ■ Undergraduate  □ Graduate  □ First Professional (DDS, MD, JD, Ph.D., DVM)
2. Request submitted by (Department or Program Name):  Department of Landscape Architecture and Urban Planning
3. Course prefix, number and complete title of course:  LAND 330 Landscape Construction II

Attach a brief supporting statement for changes made to items 4a thru 4d, and 10 below.

4. Change requested
   a. Prerequisite(s): From: ____________________________ To: ____________________________
   b. Withdrawal (reason): _______________________________________________________
   c. Cross-list with: _____________________________________________________________

   Cross-listed courses require the signature of both department heads.

   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.

   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course?  □ Yes  □ No
6. If grade type is changing for existing course, indicate the new grade type:  □ Grade  □ S/U  □ P/F (CLMD)
7. If this course will be stacked, please indicate the course number of the stacked course:
   □ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

9. Complete current course title and current catalog course description:

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

11. a. As currently in course inventory:

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b. Change to:

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Approval recommended by:
Dr. Ming-Han Li  10/19/15
Date: 10/19/15

Chair, College Review Committee
Date: 10/19/15

Dean of College
Date: 10/19/15

Submitted to Coordinating Board by:
Associate Director, Curricular Services

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 08/14
Department of Landscape Architecture and Urban Planning
Texas A&M University, College of Architecture

COURSE SYLLABUS
LAND 330: LANDSCAPE CONSTRUCTION II (3 credits)

Spring Semester 2015

Class Time: TR 11:10 am – 12:00 pm (lecture)
TR 12:01 pm – 1:41 pm (studio)
Classroom: Langford Arch. Center: A348 (lecture), A300 (studio)

Instructors: Bruce Dvorak, RLA, ASLA
Associate Professor
Langford A305, Tel. 458-0628
bdvorak@tamu.edu
Office Hours: Mon. & Wed. 11am-1 pm

Mike Teal, RLA
Landscape Architect
Teal Design & Landscape
979-575-2213
tealdesign@wickenighthouse.com
Office Hours: TBD

Prerequisites for the Course: LAND 318, LAND 329; junior or senior classification.

I. COURSE DESCRIPTION

LAND 330: Essential construction materials and systems applied in landscape development. Topics include statics and mechanics of simple structures; properties and procedures of wood, masonry and concrete construction; construction sequencing and material costs. Development of a construction document package is required. Construction observation field trips are required.

LAND 330 is the second of a three-course construction sequence. The contents of this course include the following units:

- Horizontal dimensioning control techniques (layout design)
- Materials for landscape construction (design organization and assembly)
- Site construction details (design assembly and connectors)
- Construction documentation (plans, sections, working drawing reference)

II. LEARNING OUTCOMES

Upon completion of this course, each student with a passing grade will:

- Be familiar with basic landscape architecture layout techniques and to be able to apply them to develop a clear and efficient layout plan for design proposals.
- Understand the performance characteristics of basic types of materials for landscape construction including masonry, wood, concrete, asphalt, and typical construction process.
- Understand process, methods, and principles of site construction detail design.
- Demonstrate an ability to develop landscape construction details with minimum supervision.
- Demonstrate an ability to draft and produce construction drawings of professional quality using manual and CAD graphic conventions.
- Be able to identify, locate and access needed information efficiently and apply it to detail design requirements.
- Be able to assemble a construction document package.

III. TEACHING METHODS

This course will employ the following teaching methods:

- **Lectures and reading assignments** – Lectures and reading assignments will be given on a regular basis. The lectures will be used to introduce new topics, to discuss information from the assigned reading materials, and to present new assignments.

- **Studio projects and exercises** – Learning by doing is the primary approach used in this course. The course content will be presented primarily through reading and lectures, but learned through the execution of construction documentation exercises and assignments.

- **Site trips and field observation** – Learning by observing is another important approach used in this course. Site visits are to be considered as serious learning opportunities.

- **Journal documentation** – A construction and design detail journal is to be kept by all students throughout the semester. Specific journal assignments that represent the minimum effort will be outlined in the semester schedule. Journals are to be documented on 8 ½” x 11” gridded notepads and kept organized in a 3-ring binder. Note taking and journal discipline are important aspects of learning and expected at all times.

- **Model Construction** – During the semester, students will be required to build a model construction detail at full scale. This group project will require COA Woodshop safety certification.

IV. EXPECTATIONS

The basic expectation of this course is that students enrolled are interested in learning the material and are able to arrange their time and invest the effort required to master the subject areas throughout the course of the semester.

**Attendance:** Attendance is mandatory for all classes unless prior arrangements have been made with the instructor. Attendance is defined as being present at the start of each lecture period and fully engaged in the work of the course during the entire class/studio period.

Absences or late submissions due to health-related problems, emergency situations, or mandatory participation in University-sanctioned activities will be excused if written verification is supplied to the instructor within one week. University rules related to excused and unexcused absences are located on-line at http://student-rules.tamu.edu/rule07.

**Studio Performance:** Students will be expected to execute a substantial portion of their studio work during the regularly scheduled class periods to assure the efficient exchange of information and to maintain an ongoing dialogue with instructors. Although the studio is to be devoted to performance-based learning, it should not be assumed that the scheduled studio hours will be sufficient to adequately complete the assigned work. It should be generally anticipated that a minimum of one additional hour of work will be required for each hour spent in the studio to complete assigned work satisfactorily. Each student is expected to review their progress with an
instructor twice weekly, typically through desk critiques. Performance evaluations in this course will be based on the satisfaction of these expectations.

Class Preparation: Students are expected to have completed assigned work prior to arriving at class. In addition to completing the assigned tasks, each student is expected to arrive in class with new material ready to be reviewed by the faculty in order to receive the feedback necessary to take the work to the next level.

Class Participation: During all lectures, site visit or studio periods, systematic note-taking is expected. Class note-taking will generally consist of documenting the information presented as reference in order to have this information available as reference to apply the knowledge or insights as they relate to construction design situations. Assignments or clarifications issued verbally to the class will carry the same weight as those issued in writing. Students are expected to have done assigned reading prior to the class when the material is reviewed and be prepared to ask relevant questions at that time.

Due Dates: Consistent with the expectations of professional practice, meeting deadlines is of vital importance and all assigned work must be submitted on the date and time specified. All assignments are to be completed independently and on schedule. Unless otherwise indicated, the specified time for submission of work is the beginning of the class period on the assigned due date. Work turned in more than 10 minutes after the start of class lecture will receive a 50% grade deduction prior to review. Work that is greater than two weeks late will receive no credit. Any excused circumstances necessitating a deferred time or date of submission must be arranged with the instructor in advance of the originally scheduled due date and time.

Classroom Decorum and Professionalism: Students are expected to conduct themselves with appropriate learning behaviors at all times. Active, informed discussion is expected from all students when discussion is appropriate. During studio periods it is necessary to maintain an effective working environment. Openness to new ideas and tolerance of diversity of class opinion is a basic philosophical requirement for effective and compassionate professionalism. Students are expected to conduct themselves as landscape architects in training, with the studio as an opportunity to master the basic requirements of professional practice. In that regard, students are expected to develop and refine mature manners of interpersonal engagement and expression.

Using computers for activities other than note-taking during lectures or presentations is not appropriate to attentive listening behavior and is not permitted. Learning to listen actively is one of your most important educational objectives and one of your most useful professional skills.

Academic Integrity: “Aggies do not lie, cheat, or steal or tolerate those who do.” Students are expected to uphold the highest level of honesty and integrity in all their interactions, and particularly so in the pursuit of knowledge. For the Aggie Code of Honor and explanations of academic integrity and its responsibilities, see aggiehonor.tamu.edu

Plagiarism. Plagiarism is any act that reproduces and publishes or submits another person’s ideas, words, writings, drawings, photographs, digital media etc., and represents it as being their own original work. You are committing plagiarism if you copy the work of another person and turn it in as your own, even if you should have permission from that person. Rules governing plagiarism can be found in the latest edition of the Texas A&M University Student Rules governing Scholastic Dishonesty.
Although information is transferrable, learning is not. Because learning is not transferable, it is assumed that students understand the necessity of doing their own work. Learning, and in particular, mastery comes from doing. It is possible with computer technology, and because everyone in the class will be working on the same exercises, to make or accept digital copies the work of others, or participate in the joint preparation of assignments. For assignments assigned as individual work, if more than one student is found to submit the same (or substantially similar) copied work, the grade for that project for all participants will be a grade of 0. On group work, however, there is only one product since the group acts as a unit in the development of the assigned tasks. The grade for group work will be the full marks assigned for these projects assigned to each participant as deemed appropriate by the instructors. Students who do not fully participate or contribute to group work may receive less credit.

V. AMERICANS WITH DISABILITIES ACT (ADA) POLICY:

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information visit http://disability.tamu.edu.

VI. CRITERIA FOR EVALUATION OF STUDENT PERFORMANCE

In addition to studio projects and exercises, there will be three short examinations based on readings and lectures as well as practical problems related to construction details similar to those found in the L.A.R.E. (Landscape Architecture Registration Examination).

Grades are performance based, in that progress in learning is assumed on the basis of the student's ability to apply what has been learned to resolve assigned practical problems.

Student work will be judged first through a comparison of what will be expected of entry-level landscape architects in professional practice. Comparison to the members of this class and the standards of performance established by students in previous years at a similar level of advancement in the curriculum will also be considered.

Grades assigned for work in this class will be as follows:

A  **Excellent work** - The work communicates excellence, is complete, accurate, clearly and effectively communicated, and has only minor errors or omissions that would not affect the ability of the documentation to be implemented in the field. (90 to 100 points)

B  **Good work** - The work is of good quality, complete, generally accurate, clearly communicated, with errors or omissions that are not substantial, but would still require clarification revisions in order for this documentation to be implemented in the field. (80 to 89 points)

C  **Average work** - The work is mostly complete, communicated with sufficient skill to convey the basic information required but includes errors or omissions that require moderate revisions to communicate the structure, form or critical materials to be employed in the solution being documented. (70 to 79 points)
D  Minimally passing work - The work is inaccurate and/or incomplete, communicated only well enough to reveal a minimum understanding of the material. (60 to 69 points). Major revisions are needed to adequately communicate the structure, form or materials required in the assignment solution.

F  Failing work - The work is largely incomplete or does not communicate even a minimum understanding of the material. (0 to 59 points)

Students receiving a grade of “D” or below for the overall course must repeat this course for credit toward the BLA. Work at this level does not demonstrate sufficient mastery of the material to warrant advancement in the curriculum.

Grading Scale:
A = 90-100 points; B = 80-89 points; C = 70-79 points; D = 60-69 points; F = 0-59 points.

Grade Determination:
Factors that determine your grade are weighted in value according to the emphasis of the material in the class. By not completing or submitting one or more of the determining factors, your grade will be affected. Your final grade for the course will be determined as follows:

- Assignments and Exercises: 40%
- Construction Journal: 5%
- Participation and Desk Critiques: 5%
- 3 Short exams/quizzes (5% each): 15%
- Construction model: 5%
- Construction documentation project: 30%
- Total: 100%

VII. TEXTBOOK (Required)

VII. REFERENCES (available in the TRC, Evans, or from instructors)
Gary Austin. 1995. Layout Techniques for Landscape Architecture, Champaign, Ill. --. Stipes Publishing L.L.C.,


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<th>Topic</th>
<th>Activity</th>
<th>Exercise</th>
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<td>What are construction documents? Why do we create them? Who uses them? Introduction to semester project.</td>
<td>Working with AutoCAD</td>
<td>EX1_11x17 AutoCAD CD Set Title block, Table of Contents &amp; Symbolgy</td>
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<td>CD Conventions (concept/role of package, plans, details, symbols etc.)</td>
<td>Cits: Title block &amp; Symbology</td>
<td>Bio card and Woodshop Safety submittal due</td>
<td>Hopper 4-8; Harris and Dines pp. 110-8 to 110-10</td>
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<td>Semester Project: Artist's Co-op</td>
<td>Review project existing conditions, campus walk</td>
<td>EX1_11x17 AutoCAD CD Set Title block, Table of Contents &amp; Symbolgy</td>
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<td>Journal entries (3) wood</td>
<td>Review Strom, Nathan and Woland as needed</td>
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<td>2015 Carrier Fair &amp; Aggie Woodshop Workshop</td>
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<td>Participate in Career Fair</td>
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<td>Introduction to site layout</td>
<td>In-class site layout</td>
<td>EX3_Site layout plan</td>
<td>Winterbottom pp. 3-43 (PDF), Hopper pp. 524-531</td>
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<td>Site layout continued, stationing</td>
<td>Cits: site layout</td>
<td>FINAL GRADING PLAN, Site layout plan for review</td>
<td>Strom pp. 291-302 (PDF), Hopper pp. 9-10</td>
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<td>Wood in the landscape: characteristics and uses</td>
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<td>Wood Deck Framing, decking, fasteners and methods</td>
<td>In-class deck layout</td>
<td>EX4_Full scale deck model (group project)</td>
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<td>Wood Deck Framing, decking, fasteners and methods-Continued</td>
<td>Work on deck model</td>
<td>EX5_Deck Framing plan</td>
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<td>CELA March 24-28</td>
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<tr>
<td>26-Mar</td>
<td>Concrete Framing (including PCDK)</td>
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<tr>
<td>11</td>
<td>31-Mar</td>
<td>Concrete Curb and Gutter Types</td>
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<tr>
<td>2</td>
<td>2-Apr</td>
<td>Concrete Steps, Ramps and Rails</td>
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<tr>
<td>12</td>
<td>7-Apr</td>
<td>Concrete and Segmental Retaining Walls</td>
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<tr>
<td>9</td>
<td>9-Apr</td>
<td>Brick Veneer Walls</td>
<td></td>
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<tr>
<td>14</td>
<td>14-Apr</td>
<td>Paving and edging</td>
<td></td>
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<tr>
<td>18</td>
<td>16-Apr</td>
<td>Asphalt characteristics and uses, Drainage structures (trench drains,</td>
<td></td>
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<tr>
<td>21</td>
<td>21-Apr</td>
<td>Tree grades, site furniture, planters and community 4D design studies</td>
<td></td>
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<tr>
<td>23</td>
<td>23-Apr</td>
<td>Work Day</td>
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<td></td>
<td>Texas ASLA 4-22 to 4-24</td>
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<tr>
<td>15</td>
<td>28-Apr</td>
<td>Work Day</td>
<td>Quiz 3 (weeks 10-14)</td>
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<tr>
<td>16</td>
<td>30-Apr</td>
<td>End of semester review</td>
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<tr>
<td>16</td>
<td>28-Apr</td>
<td>Final CD package due</td>
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</tbody>
</table>
Texas A&M University
Departmental Request for a Change in Course
Undergraduate + Graduate + Professional
• Submit original form and attachments •

Form Instructions
1. Course request type: [✓] Undergraduate [ ] Graduate [ ] First Professional (DDS, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name): Department of Landscape Architecture and Urban Planning
3. Course prefix, number and complete title of course: LAND 421 Landscape Design VI

Attach a brief supporting statement for changes made to items 4a thru 4d, and 10 below.

4. Change requested
   a. Prerequisite(s): From ____________________________ To: ____________________________
   b. Withdrawal (reason): ____________________________
   c. Cross-list with: ____________________________

   Cross-listed courses require the signature of both department heads.
   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.
   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course? [ ] Yes [✓] No
6. If grade type is changing for existing course, indicate the new grade type: [ ] Grade [ ] S/U [ ] P/F (CLAS)

7. If this course will be stacked, please indicate the course number of the stacked course:

   I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

9. Complete current course title and current catalog course description:
   Advanced study and research designed to take the student beyond the core design experience; introduction of issues, methodologies, tools and techniques developing in professional practice.

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):
    Capstone Studio: advanced study and research designed to take the student beyond the core design experience; introduction of issues, methodologies, tools and techniques developing in professional practice.

11. a. As currently in course inventory:
    Prefix Course # Title (excluding punctuation)
    LAND 421 Landscape Design IV

    | Lect. | Lab | Other | SCH | CIP and Fund Code | Admin. Unit | FICE Code | Level |
    |-------|-----|-------|-----|-------------------|-------------|-----------|-------|
    | 2.00  | 9.00| 0.00  | 5.00| 0406010006        | 1694        | 0 3 6 3 2 | 4     |

    b. Change to:
    Prefix Course # Title (excluding punctuation)
    LAND 412 Landscape Design IV

    | Lect. | Lab | Other | SCH | CIP and Fund Code | Admin. Unit | Acad. Year | FICE Code |
    |-------|-----|-------|-----|-------------------|-------------|------------|-----------|
    | 2.00  | 9.00| 0.00  | 5.00| 0406010006        | 1694        | 16 - 17    | 0 3 6 3 2 |

    Approval recommended by: ________________________
    Dr. Ming-Han Li
    Department Head or Program Chair (Type Name & Sign) Date 10/6/15

    Chair, College Review Committee Date 10/15/15
    Department Head or Program Chair (Type Name & Sign) Date 10/6/15
    Dean of College Date 10/15/15

    Submitted to Coordinating Board by: ________________________
    Associate Director, Curricular Services
    Date 10/15/15
    Chair, GC or UCC Date 10/15/15
    Effective Date OCT 29 2015

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu.
Curricular Services – 08/14
SYLLABUS

LAND 421 (5 credits)
Spring Semester 2015
Instructor: Dr. Jon Rodiek
Email: j-rodiek@tamu.edu
Phone: 845.7059
Section 501 – Lab
502 – Lecture

Meeting Times: MWF Lab 1:30 – 4:00 PM Room TBA
MW Lecture 12:40 – 1:30 PM Room TBA

Course Description:
Advanced study and research designed to take the student beyond the core design experience; introduction of issues, methodologies, tools and techniques developing in professional practice.
Prerequisite: LAND 321.

Course Purpose
• To develop the students’ skills in planning and design of a site with emphasis on planting design. Planting design involves the skill sets related to the application of plants to the landscape.
• Planting design in this capstone studio will emphasize the consideration of ecological concerns and the identification and development of plant community habitats.

Learning Outcomes
• Develop the ability to prepare planting plan documents using appropriate plant materials
• Develop the ability to interpret a site’s ecological structure (Bailey’s Ecoregions) and use appropriate plants representative of the ecoregion in question.
• Develop an ability to create plant community habitats to benefit people and wildlife needs for species found in the region.

Course Organization
The studio will undertake these projects
a) Conservation Subdivision Design
b) Site Planting Design for a New Residence
c) Wildlife Habitat Planning and Design
Each project will be organized under the following structure:
Problem Statement – Premise – Procedure – Products
• The problem statement outlines the planning/design needs of the site and users
- The **premise** defines the conditions and purpose for the problem statement
- The **procedure** defines a three step process: Research/Inventory, Analysis, Synthesis
- **Products**: A planting plan, strategic land use plan, environmental design concepts

## Learning Outcomes for BLA Students

<table>
<thead>
<tr>
<th>Learning Outcomes</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Master the Landscape Architecture knowledge by demonstrating an ability to</strong></td>
<td></td>
</tr>
<tr>
<td>- Apply planning and design theory and concepts in the formation of a landscape</td>
<td></td>
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<tr>
<td>architecture project solution</td>
<td></td>
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<tr>
<td>- Synthesize problem solving knowledge and decision making</td>
<td></td>
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<tr>
<td>- Apply knowledge from core curriculum courses, discipline-based courses, and</td>
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<tr>
<td>internship and field work experiences to solve problems and generate creative</td>
<td></td>
</tr>
<tr>
<td>design and planning solutions</td>
<td></td>
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<tr>
<td><strong>Demonstrate an ability to apply critical thinking to</strong></td>
<td></td>
</tr>
<tr>
<td>- Conduct a valid and comprehensive site inventory and analysis</td>
<td></td>
</tr>
<tr>
<td>- Use appropriate land use strategies to interpret and integrate relevant site</td>
<td></td>
</tr>
<tr>
<td>information</td>
<td></td>
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<tr>
<td><strong>Communicate effectively by demonstrating an ability to</strong></td>
<td></td>
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<tr>
<td>- Conduct a verbal oral presentation to an audience and/or client</td>
<td></td>
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<tr>
<td>- Demonstrate visual/graphical communication skills in desktop publishing, free</td>
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<tr>
<td>hand sketching, conceptual diagramming, etc.</td>
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</tr>
<tr>
<td><strong>Prepare to engage in lifelong learning by showing an ability to</strong></td>
<td></td>
</tr>
<tr>
<td>- Use current technologies in visual/graphical communication skills</td>
<td></td>
</tr>
<tr>
<td>- Use case study examples and professional conventions to resolve landscape</td>
<td></td>
</tr>
<tr>
<td>architecture project problems</td>
<td></td>
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<tr>
<td><strong>Work collaboratively by showing an ability to</strong></td>
<td></td>
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<tr>
<td>- Adjust and modify the original solutions to accommodate the worth of other's</td>
<td></td>
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<tr>
<td>professional opinions</td>
<td></td>
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<tr>
<td>- Work with others to support a shared purpose or goal</td>
<td></td>
</tr>
</tbody>
</table>

A student who graduates from Texas A&M University with a BLA degree will have acquired the knowledge and skills necessary to:
Rubric for BLA Learning Outcomes:

1. Unacceptable quality = work quality unacceptable to internship and professional employment in the field
2. Poor student work quality = mastery inconsistently demonstrated, commensurate with some evident deficiencies
3. Fair student work quality = mastery consistently demonstrated, commensurate with average student work quality
4. Good student work quality = strong mastery demonstrated, commensurate with above average student work quality
5. Entry-level professional quality = extraordinary mastery demonstrated, commensurate with entry level professionals

Performance Evaluation:

Grades for the class will be based on 100 points per project.

A: 100-92 points:
Outstanding academic performance, only minor mistakes that would not affect the overall solutions. All technical data is complete and accurate. Work was graphically neat and handed in on time.

B: 82-91 points:
Very good academic performance, minor mistakes, not critical. Overall solution is good, but improvement is needed. Work submitted on time.

C: 72-81 points:
Average academic performance, mistakes are apparent which seriously affect the solution. Technical data is incomplete and not accurate. Graphic quality is average but needs improvement.

D: 65-71 points:
Poor academic performance. Solutions unworkable with major mistakes. Lack of understanding the technical data. Work and graphic quality generally poor.

F: Less than 65 points:
Failing work not submitted on time or incomplete. Solutions totally unworkable. Not comprehensive of technical data.

Grading Scale: A = 100-92 points; B = 82-91 points; C = 72-81 points; D = 65-71 points; F = Less than 65 points
Criteria to be established at time of project assignment.

Grade Breakdown:

85%  Class Projects
15%  Progress and Improvement
100% Total

Note: All projects are due on the time indicated in the assignment handout. No project will be graded if it is not handed in on time. Incomplete projects that are handed in on time will receive a grade of a 50. Projects handed in after the due date will not be graded. If you desire a copy, make one PRIOR to handing in your assignment. All projects are the property of the department and will not be returned.

Textbook: TBA

General

Field Trips: Field Trips are not schedules at this time. There will be some out of class travel required.

Attendance: Attendance is required for all classes unless prior arrangements have been made with the instructor. Absences or late submissions due to health-related problems, emergency situations, or mandatory participation in University-sanctioned activities will be excused if written verification is supplied to the instructor within one week. Three unexcused absences will result in a letter grade drop in the course. More information can be found at http://student-rules.tamu.edu/rule07.

American with Disabilities Act (ADA) Policy Statement:

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information visit http://disability.tamu.edu.

American Integrity Statement and Policy:
(All syllabi should contain a section that states the Aggie Honor Code and refers the student to the Honor Council Rules and Procedures on the web: http://www.tamu.edu/aggiehonor.)

"An Aggie does not lie, cheat or steal, or tolerate those who do.

Helpful Links:

Academic Calendar: http://admissions.tamu.edu/registrar/general/calendar.aspx

Final Exam Schedule: http://admissions.tamu.edu/registrar/general/finalschedule.aspx

On-Line Catalog: http://www.tamu.edu/admissions/catalogs/

Student Rules: http://student-rules.tamu.edu

Teaching Methods:

Lectures will form the core of planning and design instruction. Included in the lectures are procedures, presentation techniques, technological applications, design and planning principles, current land use planning and design philosophies and project presentation procedures. General class decisions, presentation and reviews will play an important part of the studio experience.

LAND 421 - Spring 2015
Schedule

<table>
<thead>
<tr>
<th>Month</th>
<th>Week</th>
<th>Topic</th>
<th>Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>January</td>
<td>1)</td>
<td>20-24 Introduction, Conservation Subdivision Design (Project 1)</td>
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<tr>
<td></td>
<td>2)</td>
<td>27-30</td>
<td>1</td>
</tr>
</tbody>
</table>

Important Dates: 3/9 mid-semester; 3/16 Spring Break; 4/3 Reading Day; 5/4 No class; 5/5 Last day; 5/7 Exams
| February       | 3) 2-6 Job Fair Workshop | Residential Design (Project 2) | Project 1  
|               | 4) 9-13                  |                              | Project 1  
|               | 5) 16-20                 |                              | Project 2  
|               | 6) 23-27                 |                              | Project 2  
| March         | 7) 2-6                   | Spring Break                 | Project 2  
| Midterm       | 8) 9-13                  |                              | Project 2  
|               | 9) 23-27                 |                              | Project 2  
| M-April       | 10) 30-3                 | Wildlife Habitat Certification Project (Project 3) | Project 3  
|               | 11) 6-10                 |                              | Project 3  
|               | 12) 13-17                |                              | Project 3  
|               | 13) 20-24                |                              | Project 3  
| April-May     | 14) 27-1                 |                              | Project 3  
|               |                          |                              | Project 3  

Texas A&M University
Departmental Request for a Change in Course
Undergraduate ✦ Graduate ✦ Professional
Submit original form and attachments

Form Instructions
1. Course request type: ☑ Undergraduate ☐ Graduate ☐ First Professional (DDS, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name): Department of Landscape Architecture and Urban Planning
3. Course prefix, number and complete title of course: LAND 442 Professional Practice

4. Change requested
   a. Prerequisite(s): From: ___________________________ To: ___________________________
   b. Withdrawal (reason): ___________________________
   c. Cross-list with: ___________________________

   Cross-listed courses require the signature of both department heads.

d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.

e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course?
   ☐ Yes ☑ No
6. If grade type is changing for existing course, indicate the new grade type: ☐ Grade ☑ S/U ☑ P/F (CLAD)
7. If this course will be stacked, please indicate the course number of the stacked course: 646
   ☑ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

9. Complete current course title and current catalog course description:

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

11. a. As currently in course inventory:

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<td>LAND</td>
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<td>Professional Practice</td>
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<th>Admin. Unit</th>
<th>FICE Code</th>
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<td>1694</td>
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b. Change to:

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<tbody>
<tr>
<td>LAND</td>
<td>431</td>
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<th>Lab</th>
<th>Other</th>
<th>SCH</th>
<th>CIP and Fund Code</th>
<th>Admin. Unit</th>
<th>Acad. Year</th>
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<td>0406010006</td>
<td>1694</td>
<td>16 - 17</td>
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Approval recommended by:
Dr. Ming-Han Li 10/28/15
Department Head or Program Chair (Type Name & Sign) Date Chair, College Review Committee Date 10/28/15
Department Head or Program Chair (Type Name & Sign) Date Dean of College Date 10/28/15

Submitted to Coordinating Board by: Chair, GC or UCC Date

Associate Director, Curricular Services

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 08/14

RECEIVED
CURRICULAR SERVICES
Oct 29 2015
Texas A&M University  
College of Architecture  
Department of Landscape Architecture and Urban Planning

**LAND 442-500: Professional Practice in Landscape Architecture (3 credit hours)**  
**LAND 646-600:**  
**Spring 2015**  
Class Time: MW 04:10 pm – 05:20 pm  
Classroom: Langford Architectural Center, Building C 111  
Instructors: **Chang-Shan Huang, Ph.D., RLA, AICP, ASLA**  
Office: A 325, Langford Architectural Center.  
Telephone: 845-7873  
Office hours: MW 11:30 am – 12:30 pm or by appointment  
e-Mail: changshan.huang@gmail.com

Prerequisites for Land 646: Graduate classification; approval of instructor.  
Prerequisites for Land 442: Land 420; senior classification; approval of instructor.

**COURSE SYLLABUS**

**INTRODUCTION**

A great landscape architect is a gifted practitioner who is able to successfully translate the needs and desires of a client into built, preserved or enhanced landscapes. This needs to be done while also balancing physical, environmental, social (political) and economic forces. To do this requires training that goes beyond the traditional design and construction course sequence. This training focuses on translating, synthesizing and presenting information in ways that will allow you to provide quality planning and design services that are of benefit to your client, the broader society and the natural landscape itself.

**COURSE DESCRIPTION**

Procedures, management and ethical frameworks in which professional landscape architectural practice occurs; topics include forms of practice, employment, proposal preparation, fee and contract structures, project management, roles of the landscape architect, presentations and public participation, legal and ethical responsibilities.  
**Prerequisites:** Senior classification; approval of instructor

This course will introduce to students the basic business and management aspects of professional landscape architectural practice, including the following topics: forms of practice, employment, proposal preparation, fee and contract structures, project management, legal and ethical responsibilities of the landscape architect.

The course content will be organized around the five key questions as follows:
• How to get an entry-level position in design office?
• How to obtain a project for a design office?
• How to manage a design project?
• How to run a design office?
• How to start your own design business?

LEARNING OUTCOMES

This course is intended to prepare students for advanced placement responsibilities and early success after entering the profession. Upon the completion of this course, the students with a satisfactory grade are expected to be able to:

1. Prepare a job application package of professional quality;
2. Write a convincing proposal for professional service;
3. Understand the basic aspects of project management;
4. Develop a good business plan;
5. Communicate effectively through multiple mediums and to multiple audiences.

TEACHING METHODS

The course will be thought primarily through lectures, readings and discussions, guest lectures, assigned projects and student presentations. Several guest speakers are planned to present to you during the semester. These speakers are invited to share specific expertise and, importantly, to give you a sense of the broad range of perspectives found in our profession.

ASSIGNMENTS

The following class assignments are designed to help students better understand the lecture contents and to provide students with hands-on applications that can be drawn upon as they progress in their career:

1. Resume
2. Portfolio of classroom and professional internship work
3. Job Application Cover letter
4. Follow-up letter
5. Report on a case study of a design firm profile (team project)
6. Project Proposal for professional services (team project)
   a. Graduate Students Only: Prepare submission package for National ASLA competition
7. A Business Plan (team project)
8. LAND Exit survey

WRITTEN WORK
This course is listed as a university “W” or writing intensive course that is intended to strengthen a student’s abilities in communication through primarily written works. Therefore, the assignments given in this course will require significant amount of writing. Good writing is not the result of one single heroic effort by an inspired individual. Rather, it is an iterative process by which drafts are refined again and again until the product is clear, concise and is appropriate to its intended use. To many design students as well as professionals, writing does not come as a natural skill and as a result, it may be more time consuming than you initially anticipate. Work on assignments earlier rather than later in order to allow adequate time to fully develop your ideas or proposals.

To promote this iterative learning process, one that is present in the practice of landscape architecture, major written assignments will include at least one round of peer review. This will enable you to obtain feedback on your work and the opportunity to revise and improve your work prior to submission for a grade. Students are also encouraged to utilize the services of the University Writing Center or the Career Center to improve the quality of their writing.

**COURSE EXPECTATIONS AND STUDENT RESPONSIBILITIES**

Students of this course are expected to spend at least 5 hours a week at average in order to complete course assignments. All students are required to do the following:

1. **Attend all classes.** Attendance is mandatory! Absence due to health-related problems, emergency situations, or mandatory participation in university-excused activities may be excused, providing that a written proof is provided. Absence due to health-related problems, emergency situations, or mandatory participation in university-excused activities may be excused, providing that a written proof is provided to the instructor within one week. More information can be found at [http://student-rules.tamu.edu/rule07](http://student-rules.tamu.edu/rule07)

2. **Be adequately prepared** for every class discussion. Assigned readings should be completed PRIOR to the class listed on the course schedule. This will allow for greater discussion during the class about the assigned topic.

3. **Participate in class or group discussions actively.** Students are strongly encouraged to discuss or criticize each other’s work both inside and outside the class.

4. **Complete course assignments independently** or make your own contributions to a team where teamwork is required, and submit all the assignments on schedule.

5. **Communicate with the instructors actively** and inform the instructor of any concerns and suggestions you have for this class in timely fashion.

**CRITERIA FOR EVALUATION OF STUDENT PERFORMANCE**
The student's final grade of this course is determined by the following components and formulas:

**Class Assignments --**
1. Letter of interest (individual)  
2. Resume (individual)  
3. Portfolio (individual)  
4. Follow-up letter (individual)  
5. Proposal for professional services (team project)  
6. A case study of design firm (team project)  
7. Business plan (team project)  
8. LAND exit survey (individual)

**Instructor's Evaluation --**
1. Attendance  
2. Preparation  
3. Participation  
4. Improvement

---

**Total:**

**Grading Scale:** A = 90 – 100; B = 80 – 89; C = 70 – 79; D = 60 – 69; F = 0 – 59

**Notes:**
In professional practice, few things will be more detrimental to your client relationship or opportunities for continued advancement than not submitting your work on time. Late submissions will receive a 20% points penalty and after two weeks beyond the due date/time, will be considered incomplete. Any circumstances necessitating a deferred time or date for submission must be arranged with the instructor in advance of the originally established due date and time.

**TEXTBOOKS**


**DISABILITIES AND ADA Policy**

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at
White Creek complex on west campus or call 979-845-1637. For additional information visit http://disability.tamu.edu.

ACADEMIC INTEGRITY:
The Aggie Honor Code states, "Aggies do not lie, cheat, or steal or tolerate those who do." Students are expected to uphold the highest level of honesty and integrity in all their interactions, and particularly so in the pursuit of knowledge. For the Aggie Code of Honor and explanations of academic integrity and its responsibilities, please check the Honor Council Rules and Procedures on the web http://www.tamu.edu/aggiehonor.

Students are cautioned about copying work that was not their own effort and any other act that constitutes plagiarism. Plagiarism is any act that reproduces another person’s ideas, words, writings, drawings, photographs, digital media etc., and represents it as being original work. You are committing plagiarism if you copy the work of another person and turn it in as your own, even if you should have permission of that person. Rules governing plagiarism can be found in the latest edition of the Texas A&M University Student Rules governing Scholastic Dishonesty.
Land 442/646 Spring 2015

Tentative Class Semester Outline and Daily Schedule

01/20-05/4, 2015
(Revised on 1/19/2015)

<table>
<thead>
<tr>
<th>Week No.</th>
<th>Date</th>
<th>Class Topic and Activity</th>
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<tr>
<td>Week 1</td>
<td>1/19 (M)</td>
<td>Martin Luther King, Jr. Day, Holiday</td>
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<tr>
<td>Week 2</td>
<td>1/21 (W)</td>
<td>Course introduction &amp; review syllabus</td>
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<td>1/26 (M)</td>
<td>Lecture No. 2: Preparation of design portfolio</td>
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<td>1/28 (W)</td>
<td>Lecture No. 3: Preparation of job interview</td>
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<td>Week 3</td>
<td>2/2 (M)</td>
<td>Guest Lecture: Interviewing Techniques - Brad Collett – TAMU Career Center</td>
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<td>2/4 (W)</td>
<td>Lecture No.4: Pay, Advancement and Job Offer Negotiation</td>
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<td>2/5 (R)</td>
<td>LAUP Career Fair</td>
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Section I: Getting an entry-level position in a professional design office

Section II: Finding work for the firm

Week 4     2/9 (M)  Lecture No.5: Marketing and Finding work for the firm

Week 5     2/11 (W) Lecture No.6: Preparing for RFQ/RFP (Process, Products)

Week 6     2/16 (M) Lecture No.7: Winning Strategies for Design Competition

Week 7     2/18 (W) Lecture No.8: Estimating Professional Service Fees

Week 6     2/23 (M) Lecture No.9: Contract Law and Negotiation Strategies

Week 7     2/25 (W) Student Presentations: Proposal for Professional Services

Section III: Managing a project

Week 7     3/2 (M) Lecture No.10: Project management (1) - scheduling, team-building, quality control, product delivery
3/4 (W) Lecture No.11: Project management (2) – business correspondence, communications, staff management and client relationship maintenance

Week 8 3/9 (M) Lecture No.12: Cost control and construction observation
3/11 (W) Guest Lecture: Project Management

**Week 9** 3/16 – 20 (M-T) Spring Break

**Section IV: Starting your own business in landscape architecture**

Week 10 3/23 (M) Lecture No.13: Business Structure and Type of design firms
3/25 (W) Lecture No.14: Developing a Business Plan

Week 11 3/30 (M) Lecture No.15: Establish and Maintain Core Competence of a Design Firm
4/1 (W) Lecture No.16: Human Resource Management for a Design Office (Hiring, retaining, training, promoting, awarding)

Week 12 4/6 (M) Lecture No. 17: Development of organizational culture (value system, working environment, team spirit)

Week 13 4/13 (M) Lecture No. 19: Collaborative Design and Multi-disciplinary Team Leadership
4/15 (W) Lecture No. 20: Legal and Ethical Responsibilities of the Landscape Architect

Week 14 4/20 (M) Lecture No. 21: Licensing, Registration and LARE
4/22 (W) **Student Presentations: Case study of a design firm**

Week 15 4/27 (M) **Student Presentations: Case study of a design firm**
4/29 (W) **Student Presentations: Business Plan**

Week 16 5/4 (M) **Student Presentations: Business Plan**
Last day of class

Total 28 class periods
Texas A&M University
Departmental Request for a Change in Course
Undergraduate □ Graduate □ Professional
* Submit original form and attachments *

Form Instructions
1. Course request type: □ Undergraduate □ Graduate □ First Professional (DDS, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name): Department of Mathematics
3. Course prefix, number and complete title of course: Math 141, Business Mathematics I

4. Change requested
   a. Prerequisite(s): From: ____________________________ To: ____________________________
   b. Withdrawal (reason): ____________________________
   c. Cross-list with: [Cross-listed courses require the signature of both department heads.]
   d. Change in course title and description. Enter complete current course title and course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.
   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.
5. Is this an existing core curriculum course? □ Yes □ No
6. If grade type is changing for existing course, indicate the new grade type: □ Grade □ S/U □ P/F (CLMD)
7. If this course will be stacked, please indicate the course number of the stacked course: ____ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-control/export-controls-basics-for-distance-education).
8. Complete current course title and current catalog course description:
   Business Mathematics I. Linear and quadratic equations and applications; functions and graphs, systems of linear equations, matrix algebra and applications, linear programming, probability and applications, statistics. No credit will be given for more than one of MATH 141 and MATH 166.
9. Complete proposed course title and proposed catalog course description (not to exceed 50 words):
   Finite Mathematics. Linear equations and applications; systems of linear equations, matrix algebra and applications, linear programming, probability and applications, statistics. No credit will be given for more than one of MATH 140, MATH 141 and MATH 166.

11. a. As currently in course inventory:

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   Approval recommended by:
   Dr. Paulo Lima-Filho

   Department Head or Program Chair (Type Name & Sign) 11-23-15
   Date
   Chair, College Review Committee
   Date
   Dean of College
   Date

   Submitted to Coordinating Board by:
   Chair, GC or UCC
   Date

   Associate Director, Curricular Services

   Date
   Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu
Curricular Services – 08/14
Supporting statement for changes to Math 141:

With the creation of the new Math 140, entitled Mathematics for Business & Social Sciences, the title of Math 141 needs to be changed from Business Math I to Finite Mathematics because Math 141 is no longer Business Math I.

Additionally, since there is significant overlap in the material of Math 140 and Math 141, credit should not be allowed for both. Quadratic equations, functions and graphs have been removed from Math 141 and incorporated into Math 140.
Texas A&M University
Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
Submit original form and attachments.

Form Instructions
1. Course request type: ☑ Undergraduate □ Graduate □ First Professional (DDS, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name): Department of Mathematics
3. Course prefix, number and complete title of course: Math 142, Business Mathematics II

| Attached list of supporting documents: changes made to items 7, 8, and 9 below. |
| Change requested: | High school algebra I and II and geometry or satisfactory performance on a qualifying examination. |
| From: | TAMU Math Placement Exam. |
| To: | Math 140 or equivalent or acceptable score on |
| a. Prerequisite(s): | |
| Withdrawal (reason): | |
| Cross-list with: | |
| Cross-listed courses require the signature of both department heads. |
| d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title. |
| e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus. |
| 5. Is this an existing core curriculum course? | Yes ☑ No □ |
| Is this course will be stacked, please indicate the course number of the stacked course: | |
| I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education). |
| 9. Complete current course title and current catalog course description: |
| MATH 1325 Business Mathematics II. Derivatives, curve sketching and optimization, techniques of derivatives, logarithms and exponential functions with applications, integrals, techniques and applications of integrals, multivariate calculus. No credit will be given for more than one of MATH 131, MATH 142, MATH 147, MATH 151 and MATH 171. |
| Complete proposed course title and proposed catalog course description (not to exceed 50 words): |
| MATH 1325 Business Calculus. Derivatives, curve sketching and optimization, techniques of derivatives, logarithms and exponential functions with applications, integrals, techniques and applications of integrals, multivariate calculus. No credit will be given for more than one of MATH 131, MATH 142, MATH 147, MATH 151 and MATH 171. |

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</table>

Approval recommended by:
Dr. Paulo Lima-Filho
Department Head or Program Chair (Type Name & Sign) [Signature]
Date 11/20/15

Chair, College Review Committee
Date 11/28/15

Dean of College
Date 11/28/15

Submitted to Coordinating Board by:
Chair, GC or GCC
Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 08/14
Supporting statement for changes to Math 142:

With the creation of the new Math 140, entitled Mathematics for Business & Social Sciences, the title of Math 142 needs to be changed from Business Math II to Business Calculus because Math 142 is no longer Business Math II.

Additionally, Math 140 or equivalent or acceptable score on TAMU Math Placement Exam will be required to enroll in Math 142.
C204 Texas A&M University
Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
Submit original form and attachments

1. Course request type: ☑ Undergraduate ☐ Graduate ☐ First Professional (DDS, MD, JD, PharmD, DVM)

2. Request submitted by (Department or Program Name): Department of Mathematics

3. Course prefix, number and complete title of course: Math 166, Topics in Contemporary Mathematics II

4. Change requested
   a. Prerequisite(s): From: ____________ To: ____________
   b. Withdrawal (reason): ____________
   c. Cross-list with: ____________

   Cross-listed courses require the signature of both department heads.

   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.

   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course? ☐ Yes ☑ No

6. If grade type is changing for existing course, indicate the new grade type: ☑ Grade ☐ S/U ☐ P/F (CLM1)

7. If this course will be stacked, please indicate the course number of the stacked course: ____________

   I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

8. Complete current course title and current catalog course description:
   Topics in Contemporary Mathematics II. Finite mathematics, matrices, probability and applications. No credit will be given for more than one of MATH 141 and MATH 166.

9. Complete proposed course title and proposed catalog course description (not to exceed 50 words):
   Topics in Contemporary Mathematics II. Finite mathematics, matrices, probability and applications. No credit will be given for more than one of MATH 140, MATH 141 and MATH 166.

10. a. As currently in course inventory:
    
    | Prefix | Course # | Title (excluding punctuation) |
    |--------|----------|-------------------------------|
    | MATH   | 166      | TOP IN CONTEMP MATH II        |

    Lect. | Lab | Other | SCH | CIP and Fund Code | Admin. Unit | FICE Code | Level |
    |------|------|------|-----|------------------|-------------|-----------|-------|
    | 3.00 | 0.00 | 0.00 | 3.00 | 2703010001       | 1875        | 0 0 3 6 3 2 1 |

    b. Change to:

    | Prefix | Course # | Title (excluding punctuation) |
    |--------|----------|-------------------------------|

    Lect. | Lab | Other | SCH | CIP and Fund Code | Admin. Unit | Acad. Year | FICE Code | Level |
    |------|------|------|-----|------------------|-------------|-----------|-----------|
    |      |      |      |     |                  | 1875        | 16 17 0 0 3 6 3 2 | |

11. Approval recommended by:
    Dr. Paulo Lima Filho 11/20/15
    Department Head or Program Chair (Type Name & Sign) Date

    Department Head or Program Chair (Type Name & Sign) Date
    (If cross-listed course)

    Submitted to Coordinating Board by:
    Chair, GC or UCC Date

    Associate Director, Curricular Services Date

    Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 08/14
Supporting statement for changes to Math 166:

Since there is significant overlap in the material of Math 140 and Math 166, credit should not be allowed for both.
Texas A&M University
Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
• Submit original form and attachments •

Form Instructions:
1. Course request type: [ ] Undergraduate [ ] Graduate [ ] First Professional (DDS, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name): Department of Mechanical Engineering
3. Course prefix, number and complete title of course: MEEN 357 - Engineering Analysis for Mechanical Engineers

Attach a brief supporting statement for changes made to items 4a through 4d and 10 below:

4. Change requested:
   a. Prerequisite(s): From: ENGR 112 and MATH 308
   b. Withdrawal (reason):
   c. Cross-list with:
   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.
   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course? [ ] Yes [ ] No
6. If grade type is changing for existing course, indicate the new grade type: [ ] Grade [ ] S/U [ ] P/F (C/LMD)
7. If this course will be stacked, please indicate the course number of the stacked course: [ ] I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

9. Complete current course title and current catalog course description:
MEEN 357 - Engineering Analysis for Mechanical Engineers
Credits 3. 3 Lecture Hours.
Practical foundation for the use of numerical methods to solve engineering problems: Introduction to Matlab, error estimation, Taylor series, solution of non-linear algebraic equations and linear simultaneous equations; numerical integration and differentiation; initial value and boundary value problems; finite difference methods for parabolic and [ ]

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

11. a. As currently in course inventory:

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<th>EICE Code</th>
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Approval recommended by: [ ]
Dr. Timothy J. Jacobs
Department Head or Program Chair (Type Name & Sign) Date
Chair, College Review Committee Date
Dean of College Date

Submitted to Coordinating Board by: [ ]
Associate Director, Curricular Services Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 08/14
Texas A&M University
Request for a Change in Curriculum

1. Request change for:  
   ☑ Degree Program  ☐ Minor  ☐ Certificate

2. Request submitted by (Department or Program Name):  
   Department of Mechanical Engineering

3. Program Designation and Name  
   (e.g., B.A. in History, Minor in History, Certificate in European Union):  
   B.S. in Mechanical Engineering

4. Brief description of change:  
   1) Add MEEN 210 as a co-requisite of MEEN 357;  
      2) Add MEEN 210 as a pre-requisite for MEEN 360;  
      3) Remove CVEN 302 as a co-requisite for MEEN 363

5. Rationale for change:  
   1) MEEN 210 lays the foundation for taking an idea and representing it with a model;  
      357 builds upon this by exploring various mathematical techniques to model physical phenomena.  
   2) MEEN 210 teaches students how to graphically sketch simple components and machines, which is  
      expected knowledge for students entering MEEN 360;  
   3) MEEN no longer accepts CVEN 302 as a substitute for MEEN 357 due to content modifications in MEEN 357

   Use the checkboxes below to make sure that all information is included.

   ☑ Yes  ☐ No
   b. Current catalog curriculum with handwritten edits attached.  
   ☑ Yes  ☐ No
   c. Current Howdy degree evaluation with handwritten edits attached.  
   ☑ Yes  ☐ No
   Please make sure the attached proposed curriculum, catalog and Howdy degree evaluation match.

7. a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes?  
   ☐ Yes  ☑ No
   b. If yes, degree program hours will change from:  
   c. If yes, is the Texas Higher Education Coordinating Board form attached?  
   ☐ Yes  ☑ No
   http://www.thecb.state.tx.us/index.cfm?objectid=1F9F7FA-9A92-4F11-2756AD3BBFF01D60

8. If proposed changes affect other unit(s), are letters of support attached?  
   ☐ Yes  ☑ No

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UCC/GC,  
January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University  
should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:

Dr. Timothy J. Jacobs  
Department Head or Program Chair (Type Name & Sign)  
Date  

Dean of College  
Date

Chair, College Review Committee  
Date

Chair, GC or UCC  
Date

Questions regarding this form should be directed to Curricular Services at 845-8201 or sendra-willis@tamu.edu.
Curricular Services – 07/12
Texas A&M University  
Departmental Request for a Change in Course  
Undergraduate * Graduate * Professional  
* Submit original form and attachments *

Form Instructions
1. Course request type:  
   ☑ Undergraduate  ☐ Graduate  ☐ First Professional (M.D., J.D., PharmD, DVM)

2. Request submitted by (Department or Program Name):  
   Department of Mechanical Engineering

3. Course prefix, number and complete title of course:  
   MEEN 360 - Materials and Manufacturing Selection in Design

4. Change requested
   a. Prerequisite(s):  
      From: MEEN 222, MEEN 260; CVEN 305; junior or senior classification; or approval of an instructor.  
      To: MEEN 210, MEEN 222, MEEN 260; CVEN 305; junior or senior classification.
   b. Withdrawal (reason):  
   c. Cross-list with:  

   Cross-listed courses require the signature of both department heads.
   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.
   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course?  
   ☐ Yes  ☑ No

6. If grade type is changing for existing course, indicate the new grade type:  
   ☐ Grade  ☐ S/U  ☐ P/F (CLM)

7. If this course will be stacked, please indicate the course number of the stacked course:  
   ☑ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

8. Complete current course title and current catalog course description:  
   MEEN 360 - Materials and Manufacturing Selection in Design
   Credits 3.3 Lecture Hours.
   Selecting materials and manufacturing processes in design; emphasis on material mechanical properties; microstructure production and control; manufacturing processes for producing various shapes for components and structures. Prerequisites MEEN 210, MEEN 220, MEEN 260, CVEN 305; junior or senior classification

9. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

11. a. As currently in course inventory:

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Approval recommended by:

Dr. Timothy J. Jacobs  
Department Head or Program Chair (Type Name & Sign)  
Date

Chair, College Review Committee  
Date

Dean of College  
Date

Submitted to Coordinating Board by:

Associate Director, Curricular Services  
Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu  
Curricular Services – 08/14

RECEIVED  
NOV 20 2015
CURRICULAR SERVICES
Texas A&M University
Departmental Request for a Change in Course
Undergraduate + Graduate + Professional
Submit original form and attachments

Form Instructions:
1. Course request type: ☑ Undergraduate ☐ Graduate ☐ First Professional (DVM, MD, JD, Ph.D, D/MD)
2. Request submitted by (Department or Program Name): Department of Mechanical Engineering
3. Course prefix, number and complete title of course: MEEN 363 - Dynamics and Vibrations
4. Change requested: MEEN 226; MATH 308; MEEN 367 or CVEN 302, or CVEN 361 or CVEN 308 or CVEN 305 or registration therein; CVEN 305 or registration therein.
   a. Prerequisite(s): From: MEEN 226; MATH 308; MEEN 367 or CVEN 302, or CVEN 361 or CVEN 308 or CVEN 305 or registration therein.
   b. Withdrawal (reason): 
   c. Cross-list with: 
   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.
   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.
5. Is this an existing core curriculum course? ☑ Yes ☐ No
6. If grade type is changing for existing course, indicate the new grade type: ☑ Grade ☐ S/U ☐ P/F (CLSM)
7. If this course will be stacked, please indicate the course number of the stacked course: ☑ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).
8. Complete current course title and current catalog course description:
   MEEN 363 - Dynamics and Vibrations
   Credits 3. 2 Lecture Hours. 2 Lab Hours.
   Dynamics and Vibrations. Application of Newtonian and energy methods to model dynamic systems (particles and rigid bodies) with ordinary differential equations; solution of models using analytical and numerical approaches; interpreting solutions; linear vibrations.
9. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

11. a. As currently in course inventory:
    Prefix | Course # | Title (excluding punctuation) |
    MEEN 363 | Dynamics and Vibrations |
    Lect. | Lab | Other | SCH | CIP and Fund Code | Admin. Unit | EICE Code | Level |
    2.00 | 2.00 | 3.00 | 1419010006 | 1920 | 0 | 0 | 5 | 3 | 3 |

b. Change to:
    Prefix | Course # | Title (excluding punctuation) |
    MEEN 363 | Dynamics and Vibrations |
    Lect. | Lab | Other | SCH | CIP and Fund Code | Admin. Unit | Acad. Year | EICE Code | Level |
    - | - | - | - | - | - | 0 | 0 | 5 | 3 | 3 | 3 |

Approval recommended by:
Dr. Timothy J. Jacobo
Department Head or Program Chair (Type Name & Sign)
Date 11/20/2015

Chair, College Review Committee
Date 11/20/2015

Dean of College
Date 11/20/2015

Submitted to Coordinating Board by:
Chair, GC or UCC
Date 11/20/2015

Effective Date 11/20/2015

Questions regarding this form should be directed to Sandra Williams at 845-6201 or sandra.williams@tamu.edu.
Curricular Services - 08/14
Texas A&M University  
Departmental Request for a Change in Course  
Undergraduate • Graduate • Professional  
Submit original form and attachments  

Form Instructions  
1. Course request type:  
   - [ ] Undergraduate  
   - [ ] Graduate  
   - [ ] First Professional (DDS, MD, JD, PharmD, DVM)  
2. Request submitted by (Department or Program Name):  
   Department of Oceanography  
3. Course prefix, number and complete title of course:  
   OCNG 251  
4. Change requested:  
   a. Prerequisite(s):  
      - From:  
      - To:  
   b. Withdrawal (reason):  
      
      Cross-listed courses require the signature of both department heads.  
   c. Cross-list with:  
   d. Change in course title and description:  
      Enter complete current course title and current course description in item 5; enter proposed  
      course title and proposed course description in item 6. Complete item 7 for change in title.  
   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 7.  
      Attach a course syllabus.  
5. Is this an existing core curriculum course?  
   - [ ] Yes  
   - [ ] No  
6. If grade type is changing for existing course, indicate the new grade type:  
   - [ ] Grade  
   - [ ] S/U  
   - [ ] P/F  
7. If this course will be stacked, please indicate the course number of the stacked course:  
8. I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).  
9. Complete current course title and current catalog course description:  

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):  

11. a. As currently in course inventory:  
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<th>Lab</th>
<th>Other</th>
<th>SCH</th>
<th>CIP and Fund Code</th>
<th>Admin. Unit</th>
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Approval recommended by:  
Deborah Thomas  
Department Head or Program Chair (Type Name & Sign)  
Date  
Chris Houser  
Chair, College Review Committee  
Date  
Kate Miller  
Dean of College  
Date  

Submitted to Coordinating Board by:  
Chair, GC or UCC  
Date  

Associate Director, Curricular Services  
Date  
Effective Date  

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu  
Curricular Services – 07/14
12 November 2015

MEMORANDUM

TO: Office of the Registrar

THROUGH: Dr. Chris Houser
AOC Dean College of Geosciences

FROM: Dr. Debbie Thomas
Department Head
Department of Oceanography

RE: add 1 hour lab to OCNG 251

We are requesting to add a 1 hour lab to OCNG 251. The labs will be used to support the added level of engagement required by the core curriculum for teamwork and communication. As we continue to improve this core curriculum course, it has become clear that smaller groups are need for this, and a TA will be used to help with managing the groups, grading, and providing feedback to the students.

If you have any questions, please contact our assistant Department Head, Dr. Shari Yvon-Lewis (syvon-lewis@tamu.edu; 979-458-1816).
Course title and number  OCNG 251-501: Oceanography  
Term (e.g., Fall 200X)  Fall 2016  
Meeting times and  MWF 9:10-10:00  
location  O&M Room 112  

Course Description and Prerequisites

This course will provide a basic background on the properties of the ocean and its interactions with the atmosphere, continents and seafloor in a largely descriptive manner.

While taking the lab (OCNG 252) is not required, it is recommended. Many students report that taking the lab helps them better understand some of the lecture material.

Learning Outcomes or Course Objectives

After you complete this course you will be able to:
1. Describe how the oceans were formed  
2. Locate major oceanic features  
3. Explain how the oceans reflect and relate to global climate  
4. Describe how the oceans are important to society  
5. Discuss how society impacts the ocean environment  
6. Examine issues in oceanography that you will encounter in your day to day life  
7. Assess future policies/regulations that will apply to society’s use of oceanic resources or society’s impacts on the ocean environment.

Instructor Information

Name  Dr. Shari A. Yvon-Lewis  
Telephone number  979-458-1816  
Email address  syvon-lewis@tamu.edu  
Office hours  W 2:00-3:00 and F 10:15-11:15 or by appointment  
Office location  O&M 412  

Textbook and/or Resource Material


The lecture slides will be posted on eCampus, and PDFs of any auxiliary reading material will be posted on eCampus.
Grading Policies

Grading will be based on the following: end of week quizzes (20%), 3 group projects (5% each), 2 exams (20% each), and a Final (25%). A (90-100%), B (80-89%), C (70-79%), D (60-69%), F (<60%). There will be no extra credit. I reserve the right to curve the final grade. Make-up quizzes and exams may be oral.

A quiz will be given at the end of each week except where noted in the schedule. The quiz material includes everything covered during the week's lectures and in the reading. There are 11 quizzes during the semester. I will drop the lowest quiz grade. The quizzes will be given in eCampus. They will open right after class on Friday (10:00am) and close at 8:00 am on the following Monday morning. They are timed with 10 minutes to take the quiz once you start it, and you will be allowed two attempts at the quiz. Each attempt may have different questions, as the questions will be drawn from a bank greater than the number for the quiz and randomized for each quiz attempt. The highest score of the two attempts will be kept. You will not see the correct answers to missed questions. If you have questions about a quiz, please see me to go over the material.

The group projects will be determined based on recent news worthy events centered around oceanographic phenomena. The class will be divided into groups of 5 for these projects. The assignments and discussion will be done through eCampus with moderation from the instructor and/or a TA.

<table>
<thead>
<tr>
<th>Week</th>
<th>Monday/ date</th>
<th>Topics</th>
<th>Reading</th>
<th>Exams</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week 1</td>
<td>Aug. 29</td>
<td>Overview; History; Origin of Earth and Oceans</td>
<td>Syllabus, Introduction, Chap. 1</td>
<td></td>
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<tr>
<td>Week 2</td>
<td>Sep. 5</td>
<td>Plate Tectonics; Marine Provinces</td>
<td>Chap. 2 &amp; 3</td>
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<tr>
<td>Week 3</td>
<td>Sep. 12</td>
<td>Sediments</td>
<td>Chap. 4</td>
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<tr>
<td>Week 4</td>
<td>Sep. 19</td>
<td>Water and Seawater</td>
<td>Chap. 5</td>
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<td>Week 5</td>
<td>Sep. 26</td>
<td><strong>Exam 1</strong>; Air-Sea Interaction; No Quiz on Friday; Project 1 Due Friday</td>
<td>Chap. 6</td>
<td>Exam 1 Sep. 26</td>
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<td>Week 6</td>
<td>Oct. 3</td>
<td>Air-Sea Interaction</td>
<td>Chap. 7</td>
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</tr>
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<td>Week 7</td>
<td>Oct. 10</td>
<td>Ocean Circulation</td>
<td>Chap. 7</td>
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<tr>
<td>Week 8</td>
<td>Oct. 17</td>
<td>Waves and Water Dynamics; Tides</td>
<td>Chap. 8 &amp; 9</td>
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<td>Week 9</td>
<td>Oct. 24</td>
<td>Beaches and Shoreline Processes; Coastal Oceans</td>
<td>Chap. 10</td>
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<td>Week 10</td>
<td>Oct. 31</td>
<td><strong>Exam 2</strong>; Coastal Oceans - No Quiz on Friday; Project 2 due Friday</td>
<td>Chap. 11</td>
<td>Exam 2 Nov. 2</td>
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<tr>
<td>Week 11</td>
<td>Nov. 7</td>
<td>Marine Life and the Marine Environment</td>
<td>Chap. 12</td>
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<tr>
<td>Week 12</td>
<td>Nov. 14</td>
<td>Biological Productivity and Energy Transfer</td>
<td>Chap. 13</td>
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<tr>
<td>Week 13</td>
<td>Nov. 21</td>
<td>Biological Productivity; <strong>Thanksgiving Break-No Classes W-F; No Quiz on Friday</strong></td>
<td>Chap. 14 &amp; 15</td>
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<tr>
<td>Week 14</td>
<td>Nov. 28</td>
<td>Pelagic and Benthic Organisms</td>
<td>Chap. 14 &amp; 15</td>
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Attendance and Make-up Policies

Excused absences will be based on Student Rule 7 (http://student-rules.tamu.edu/rule07). Make-ups will be allowed for excused absences. No make-ups will be allowed for unexcused absences.

Copyright

All materials generated for this class, which include but are not limited to syllabi, in-class materials, quizzes, eCampus materials, and exams, are copyrighted. You do not have the right to redistribute these unless I expressly grant permission. Posted lecture notes can be printed for your sole use and cannot be redistributed.

Americans with Disabilities Act (ADA)

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, in Cain Hall, Room B118, or call 845-1637. For additional information visit http://disability.tamu.edu/

Academic Integrity

For additional information please visit: http://aggiehonor.tamu.edu/

"An Aggie does not lie, cheat, or steal, or tolerate those who do."
Texas A&M University
Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
Submit original form and attachments

Form Instructions
1. Course request type:  □ Undergraduate  □ Graduate  □ First Professional (DDS, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name):  Department of Physics and Astronomy
3. Course prefix, number and complete title of course:  PHYS 327 Experimental Physics I

Attach a brief supporting statement for changes made to items 4a thru 4d, and 10 below.

4. Change requested
a. Prerequisite(s): From: ____________________________ To: ____________________________

b. Withdrawal (reason): ____________________________

c. Cross-list with: ____________________________

d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.

e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course?  □ Yes  □ No

6. If grade type is changing for existing course, indicate the new grade type:  □ Grade  □ S/U  □ P/F (CLMD)

7. If this course will be stacked, please indicate the course number of the stacked course: ____________________________

8. I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-control-basics-for-distance-education).

9. Complete current course title and current catalog course description:

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

11. a. As currently in course inventory:

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b. Change to:

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Approval recommended by:
George R Welch  \[Signature\]  \[Date\]

Department Head or Program Chair (Type Name & Sign) Date

Chair, College Review Committee  \[Signature\]  \[Date\]

Dean of College  \[Signature\]  \[Date\]

Submitted to Coordinating Board by:
Chair, GC or UCC  \[Signature\]  \[Date\]

Associate Director, Curricular Services  \[Signature\]  \[Date\]

Questions regarding this form should be directed to Sandra Williams at 845-8201  swilliams@tamu.edu
Curricular Services – 08/14
Physics 327: Experimental Physics (2 credits) — Spring 2015

Course description: Laboratory experiments in modern physics and physical optics with an introduction to current, state-of-the-art recording techniques.

Prerequisites: PHYS 225; PHYS 309.

Learning outcome: Students will be able apply tools and techniques learned in the advanced laboratory. Students will be able to perform statistical analysis. Students will be able to present their results in writing and oral formats. Each student will choose one of the experiments to produce a formal paper written in the style of a PRL paper, as well as a presentation in the style of an APS talk. Students will be provided with example papers and talks and given feedback on initial drafts.

Instructor: Dr. Rupak Mahapatra, MIST 417, Phone: 229-4196. Email: mahapatra@physics.tamu.edu

Office Hours: TBA

Text: Experiments in Modern Physics, by Melissinos and Napolitano (optional).

Laboratory Notebook: Computation Book, Ampad #22-157. This exact model is absolutely required. No substitutions.

Grade Assignment:

A: 90% ≤ total < 100%
B: 80% ≤ total < 90%
C: 70% ≤ total < 80%
D: 60% ≤ total < 70%
F: total < 60%

Course Topics and Calendar:

There will be 6 labs to be completed. Students will rotate through the labs, doing one each week. Lab notebooks will be due two days after the lab. Monday labs will be due on Wednesday, and Wednesday labs will be due on Friday. Notebooks will be returned before the next lab, with written feedback and grades.

Oral presentations will be done in class, towards the end of the course, over multiple weeks. The formal written paper draft will be due the last week of the class.

Approximate schedule:
The handouts used in this course are copyrighted. By “handouts,” I mean all materials generated for this class, which include but are not limited to syllabi, quizzes, exams, lab problems, in-class materials, review sheets, and additional problem sets. Because these materials are copyrighted, you do not have the right to copy the handouts, unless I expressly grant permission.

As commonly defined, plagiarism consists of passing off as one’s own the ideas, words, writings, etc., which belong to another. In accordance with this definition, you are committing plagiarism if you copy the work of another person and turn it in as your own, even if you should have the permission of that person. Plagiarism is one of the worst academic sins, for the plagiarist destroys the trust among colleagues without which research cannot be safely communicated.

If you have any questions regarding plagiarism, please consult the latest issue of the Texas A&M University Student Rules, under the section “Scholastic Dishonesty.”
Texas A&M University  
Departmental Request for a Change in Course  
Undergraduate • Graduate • Professional  
• Submit original form and attachments •  

Form Instructions:  
1. Course request type:  
   ☑ Undergraduate  ☐ Graduate  ☐ First Professional (DDS, MD, JD, PharmD, DVM)  
2. Request submitted by (Department or Program Name):  
   Department of Information and Operations Management  
3. Course prefix, number and complete title of course:  
   SCMT 340. Supply Chain Management  

4. Change requested:  
   a. Prerequisite(s): From:  
      To:  
   b. Withdrawal (reason):  
   c. Cross-list with:  
      Cross-listed courses require the signature of both department heads.  
   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.  
   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.  
5. Is this an existing core curriculum course?  
   ☐ Yes  ☑ No  
6. If grade type is changing for existing course, indicate the new grade type:  
   ☐ Grade  ☑ S/U  ☐ P/F (CLMD)  
7. If this course will be stacked, please indicate the course number of the stacked course:  
   ☐ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).  
8. Complete current course title and current catalog course description:  
   Supply Chain Management. Focus on the integrated management of the total product delivery system; purchasing, inventory management and distribution functions, with emphasis on materials and information flows.  
9. Complete proposed course title and proposed catalog course description (not to exceed 50 words):  
   Global Supply Chain Management. From textbook readings, case studies, and discussions, extend knowledge of basic concepts of transportation and logistics to specialized situations in international business in order to understand (a) the international trade and commercial environment, (b) exporting and importing documentation and procedures, and (c) operations involving international shipping and transportation.  

10. As currently in course inventory:  
   
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   | Change to:  
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</tbody>
</table>
   Approval recommended by:  
   Rich Motters  
   Department Head or Program Chair (Type Name & Sign)  
   Date  
   Michelle Diaz  
   Chair, College Review Committee  
   Date  
   Martha Louder  
   Dean of College  
   Date  

Submitted to Coordinating Board by:  
Associate Director, Curricular Services  

Questions regarding this form should be directed to Sandra Williams at 945-8200 or sandra.williams@tamu.edu  
Curricular Services – 08/14
Good morning, Sandra.

Here is a brief statement for the change in SCMT 340.

This title change will better describe the global perspective of this course. Further, this course focuses on international trade and the commercial environment, exporting and importing documentation and procedures, and international shipping and transportation issues. Therefore, the new title is more appropriate to the current course content.

Please let me know if you need anything further.

Best,

Michelle Chandler Diaz, CPA, PhD
Mays Business School
Department of Accounting
Texas A&M University

Departmental Request for a Change in Course
Undergraduate □ Graduate □ Professional □
Submit original form and attachments □

Form Instructions:
1. Course request type:
   □ Undergraduate  □ Graduate  □ First Professional (MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name):
   Department of Soil and Crop Sciences
3. Course prefix, number and complete title of course:
   SCSC 305 Production Agronomy Experience
4. Change requested
   Attach a brief supporting statement for changes made to items 4a thru 4d, and 10 below.
   a. Prerequisite(s):
      From: ____________________________
      To: _____________________________
   b. Cross-list with:
   c. Cross-list courses require the signature of both department heads.
   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.
   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.
5. Is this an existing core curriculum course?
   □ Yes  □ No
6. If grade type is changing for existing courses, indicate the new grade type:
   □ Grade  □ S/U  □ P/F (CLMD)
7. If this course will be stacked, please indicate the course number of the stacked course:
   N/A
8. I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).
9. Complete current course title and current catalog course description:
   Production Agronomy Experience: Agronomy industry practices related to crop production; site visits in Texas and in the Mississippi Delta include a review of farming equipment, conservation agriculture practices, agro-chemical distribution and sales, grain product processing and distribution, and on-farm management techniques.
10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):
    Professional Development in Agronomy: Enhancement of human relation skills related to a career in soil and crop sciences; field trip to Mississippi to interact with leadership from a global agricultural company; on-campus exercises to improve effective learning practices, job seeking and retention, and setting and achieving near-term and long-term professional goals.

11. a. As currently in course inventory:

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   Approval recommended by:
   Wayne Smith  11-5-15
   Department Head or Program Chair (Type Name & Sign)  Date
   Bob Knight  11-13-15
   Chair, College Review Committee  Date
   Kim Dooley  11-18-15
   Dean of College  Date

   Submitted to Coordinating Board by:
   Chair, GC or UCC  Date
   Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu.
Curricular Services – 08/14
SCSC 305 Change in Course request

SCSC is requesting change in course due to needs of students within the industry and department, SCSC 305 Production Agronomy Experience to Professional Development in Agronomy.
Texas A&M University
Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
• Submit original form and attachments •

Form Instructions
1. Course request type: ☑ Undergraduate □ Graduate □ First Professional (DDS, MD, JD, Ph.D., DVM)

2. Request submitted by (Department or Program Name): Department of Soil and Crop Sciences

3. Course prefix, number and complete title of course: SCSC 312 Introduction to Turfgrass Management

4. Change requested
   a. Prerequisite(s): From: SCSC 302 or registration therein, or approval of instructor
   To: SCSC 302 or registration therein, or approval of instructor
   b. Withdrawal (reason): 
   c. Cross-list with: 

   Cross-listed courses require the signature of both department heads.
   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.
   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course? ☐ Yes ☑ No

6. If grade type is changing for existing course, indicate the new grade type: ☐ Grade ☑ S/U ☑ P/F (CLMD)

7. If this course will be stacked, please indicate the course number of the stacked course:

8. I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

9. Complete current course title and current catalog course description:
   Introduction to Turfgrass Management: Fundamentals of turfgrass anatomy, growth habit, identification and characteristics of cool and warm season turfgrass species; understanding of seed and labeling, pesticide safety, handling, and application and fertilizer sources, safety, and application; specialized equipment used in the turfgrass industry.

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):
    Professional Development in Turfgrass: Topics covered will include, but not limited to: fertilizer, pesticide, irrigation calculations; turfgrass, insect, and weed identification and management, soils and rootzone construction; irrigation system operation and auditing; sprayer and sprayer operation and calibration; This course will build upon and allow you to apply information you have obtained in SCSC 302 recreational turf; designed to better prepare students who intend to compete in the GCSA and STMA Collegiate Turf Bowl Competitions.

11. a. As currently in course inventory:

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   Approval recommended by: 
   Wayne Smith □ 11-10-15

   Department Head or Program Chair (Type Name & Sign) Date

   Department Head or Program Chair (Type Name & Sign) Date

   Submitted to Coordinating Board by: 
   Chair, GC or UCC Date

   Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu Curricular Services – 08/14

   Received
   CURRICULAR SERVICES
   Date

   Vendor Name
   Address
   Phone
   Email
   Date
   Effective Date
SCSC 312 Change in Course request

SCSC is requesting change in course due to name of class, Introduction to Turfgrass Science changing to Professional Development in Turfgrass.
Texas A&M University

Departmental Request for a Change in Course
Undergraduate + Graduate + Professional

Form Instructions
1. Course request type: [X] Undergraduate [ ] Graduate [ ] First Professional (M.D., M.D., J.D., Pharm.D., D.V.M)
2. Request submitted by (Department or Program Name): Health and Kinesiology
3. Course prefix, number and complete title of course: SPMT 482 Seminar

4. Change requested
   a. Prerequisite(s): From: ___________ To: ___________
   b. Withdrawal (reason): ____________________________
   c. Cross-list with: _______________________________

   (Cross-listed courses require the signature of both department heads.)
   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.
   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course? [X] Yes [ ] No
6. If grade type is changing for existing course, indicate the new grade type: [ ] Grade [ ] S/U [ ] P/F (CLMD)
7. If this course will be stacked, please indicate the course number of the stacked course: ___________

   [X] I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

9. Complete current course title and current catalog course description: SPMT 482 Seminar - Acquaint students with current research and the research process in their chosen field of study (sport management). May be taken 4 times for credit.

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words): SPMT 482 Professional Writing Seminar - Acquaint students with a primary means of communicating contemporary research in sport management; extensive readings, intensive writings, and an oral presentation designed to complement the curriculum in sport management by introducing the application of sport management research to organizational decision making. (Not repeatable)

11. a. As currently in course inventory:

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Approval recommended by:
Richard Kreider
Department Head or Program Chair (Type Name & Sign) Date

[Signature]

Department Head or Program Chair (Type Name & Sign) Date

[Signature]

Submitted to Coordinating Board by:

[Signature]
Associate Director, Curricular Services

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu.

Curricular Services – 08/14
Sandra Williams

From: PJ Miller <pjm@hlkn.tamu.edu>
Sent: Tuesday, November 10, 2015 1:44 PM
To: Sandra Williams
Subject: SPMT 482

Sandra,

This is the rationale for SPMT 482 changes. Let me know if this doesn’t make sense!

Some sections of SPMT 482-Seminar class were offered as writing intensive sections and some were not, this was too confusing to the students to know whether they were in the right section or not. SPMT 482 is being changed to reflect that this is the writing intensive course. SPMT 481 is being added as a seminar class so students will get the remaining seminars through SPMT 481.

Thanks,

PJ

Paula J. Miller, PhD
Clinical Professor
Department of Health and Kinesiology
Texas A&M University
pjmiller@tamu.edu

4243 | College Station, TX 77843

Tel. 979.845.1471 | Fax. 979.847.8987
Texas A&M University
Departmental Request for a Change in Course
Undergraduate ∙ Graduate ∙ Professional
- Submit original form and attachments -

Form Instructions
1. Course request type:
   - Undergraduate □ Graduate □ First Professional (DDS, MD, JD, PharmD, DVM)

2. Request submitted by (Department or Program Name):
   Department of Educational Administration and Human Resource Development

3. Course prefix, number and complete title of course:
   TCMG 308 Security and Ethics in the Digital World

4. Change requested
   a. Prerequisite(s):
      From: ___________________________ To: ___________________________
   b. Withdrawal (reason):
   c. Cross-list with:
      Cross-listed courses require the signature of both department heads.
   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.
   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course?
   □ Yes □ No

6. If grade type is changing for existing course, indicate the new grade type:
   □ Grade □ S/U □ P/F (CLM/D)

7. If this course will be stacked, please indicate the course number of the stacked course:
   □ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

8. Complete current course title and current catalog course description: Security and Ethics in the Digital World. Introduction to cybersecurity; analysis of threats and risks from the environment; development of appropriate strategies to mitigate impact; ethics of extraordinary administrative access; ethics of digital forensics and implications to society.

9. Complete proposed course title and proposed catalog course description (not to exceed 50 words): Cybersecurity and Digital Ethics. Introduction to cybersecurity; analysis of threats and risks from the environment; development of appropriate strategies to mitigate impact; ethics of extraordinary administrative access; ethics of digital forensics and implications to society.

11. a. As currently in course inventory:

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Approval recommended by:

Department Head or Program Chair (Type Name & Sign) Date
Chair, College Review Committee Date
Dean of College Date

Submitted to Coordinating Board by:
Chair, GC or UCC Date

Associate Director, Curricular Services

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Program faculty originally had wanted the course to be titled as “Cybersecurity and Digital Ethics” when created in the 2014-2015 curricular timeline cycle, however, at the request of the Department of Computer Science and Engineering, the course title was changed. The Director of Cybersecurity for Texas A&M University, Dr. Daniel Ragsdale, himself embedded in the Department of Computer Science and Engineering agrees that the course should reflect the use of the word “cybersecurity” and the Department of Educational Administration and Human Resource Development hereby submits the request to rename the course as originally intended.
CHANGE IN CURRICULA
CHANGE IN CURRICULUM

COLLEGE OF AGRICULTURE AND LIFE SCIENCES
DEPARTMENT OF BIOLOGICAL AND AGRICULTURAL ENGINEERING
BS IN AGRICULTURAL SYSTEMS MANAGEMENT
Texas A&M University
Request for a Change in Curriculum
Undergraduate • Graduate • Professional

1. Program request type:
   - [✓] Undergraduate
   - [ ] Graduate
   - [ ] First Professional (e.g., DVM, J.D., MD, etc.)

2. Request change for:
   - [✓] Degree Program
   - [ ] Minor
   - [ ] Certificate

3. Request submitted by (Department or Program Name):
   Biological and Agricultural Engineering

4. Program Designation and Name:
   (e.g., B.A. in History, Minor in History, Certificate in European Union):
   B.S. in Agricultural Systems Management

5. Brief description of change:
   Remove ENDG 105 as a required course in the BS AGSM curriculum; replacing this class with an open-ended Engineering Design Graphics Elective requirement.

6. Rationale for change:
   ENDG 105 will no longer be offered, as a course, following Summer 2016. Due to the very short turn around we had (after being notified of this change), we were not able to create a course in-house that covers the needed material. We opted to use the terminology "Engineering Design Graphics Elective" to allow the time to either develop our own course or search for a suitable replacement. There are a few options that we could use at Texas A&M University if a student transfers into our program with that completed. We occasionally use a community college design graphics class as well, if a student has completed that. As a curriculum, we feel that a graphics design class is extremely important and applicable to our students.

Use the checkboxes below to make sure that all information is included.

7. a. Proposed curriculum attached. [✓] Yes [ ] No
   b. Current catalog curriculum with handwritten edits attached. [✓] Yes [ ] No
   c. Current Howdy degree evaluation with handwritten edits attached. [✓] Yes [ ] No

   Please make sure the attached proposed curriculum, catalog and Howdy degree evaluation match.

8. a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes? [ ] Yes [✓] No
   b. If yes, degree program hours will change from: to:________________________
   c. If yes, is the Texas Higher Education Coordinating Board form attached?
      [ ] Yes [ ] No
      http://www.thecb.state.tx.us/index.cfm?objectid=A0F9F7FA-9A92-4F11-2756AD3BBFF01D60

9. If proposed changes affect other unit(s), are letters of support attached? [ ] Yes [ ] No

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UCC/CC, January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:

Stephen W. Searcy
Department Head or Program Chair (Type Name & Sign) 10/23/2015
Date

Kim Dooley
Dean of College
Date

Bob Knight
Chair, College Review Committee 11/5/2015
Date

Chair, GC or UCC
Date

Questions regarding this form should be directed to Curricular Services at 845-8201 or xander.williams@tamu.edu.
Curricular Services – 04/14

[stamp: RECEIVED NOV 11 2015]
Memorandum

To: Dr. Robert Knight, Chair
   COALS Undergraduate Programs Council

From: Ashlea Schroeder
      Senior Academic Advisor I
      Biological and Agricultural Engineering

Through: Dr. Stephen W. Searcy
        Department Head
        Biological and Agricultural Engineering

Subject: Request for approval of B.S. curriculum changes in Agricultural Systems Management

We respectfully request that the proposed modifications to the B.S. curriculum in Agricultural Systems Management described herein be placed on the agenda of the next COALS Undergraduate Programs Council meeting for approval.

Agricultural Systems Management Changes for Catalog 139 (Fall 2015)

1. Removing ENDG 105 from the catalog and degree evaluation due to the discontinuation of the course.
2. Replacing this requirement with Engineering Design Graphics Elective (courses to be approved for use through the AGSM Curriculum Committee).

If you have any questions or need additional information, please let me know.

Attachments:

- Agricultural Systems Management Curriculum as proposed
- Current Howdy degree evaluation with handwritten edits
- Current catalog curriculum with handwritten edits

201 Scoates Hall
2117 TAMU
College Station, TX 77843-2117

Tel. 979.845.3931 Fax. 979.862.3442
http://baen.tamu.edu
### Agricultural Systems Management

**Catalog 2016-2017**

#### Freshman Year: Fall

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<td>ENGL 104 Composition &amp; Rhetoric</td>
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<td>ECON 202 Principles of Economics</td>
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<td>COMM 203 Public Speaking</td>
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<td>PHYS 201 College Physics</td>
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<td>FINC 499 Survey of Finance Principles</td>
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<td>Language, Philosophy, &amp; Culture Elective 1, 2</td>
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<td>AGSM 335 Water &amp; Soil Mgmt</td>
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<td>AGSM 337 Tech for Environmental &amp; Nat Resource Engr</td>
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<th>Course</th>
<th>Hours</th>
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<tr>
<td>ACCT 210 Survey of Managerial &amp; Cost Acct Principles</td>
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<td>AGSM 360 Occupational Safety Mgmt</td>
<td>3</td>
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<tr>
<td>ENGL 210 Scientific &amp; Technical Writing</td>
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<td>ECON 203 Principles of Economics</td>
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<td>Life &amp; Physical Sciences Elective</td>
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#### Junior Year: Spring

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<tr>
<td>AGSM 315 Agricultural Mgmt</td>
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<tr>
<td>AGSM 325 Agri-Industrial Applications of Electricity</td>
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<tr>
<td>STAT 302 Statistical Methods or</td>
<td>3</td>
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<tr>
<td>STAT 303 Statistical Methods</td>
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<td>AGEC 344 Food &amp; Agricultural Law or</td>
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<td>MGMT 209 Business, Govt, &amp; Society 1</td>
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<td>MGMT 212 Business Law</td>
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#### Senior Year: Spring

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<tr>
<td>MKTG 409 Principles of Marketing</td>
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<td>AGEC 314 Mgmt of Agricultural &amp; Food Products</td>
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<td>AGSM 440 Mgmt of Agricultural Systems II</td>
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<td>AGSM 473 Project Management for Agricultural Systems</td>
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#### Total Degree Hours

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Notes:

1) To be selected from the University Core Curriculum

2) The 6 hours of international and cultural diversity courses, as required for graduation, may be met in the curriculum. Students may select Language, Philosophy and Culture, Creative Arts, Technical Electives, or American History Electives that also meet the ICO requirement.

3) All undergraduate students must take at least two (2) specific courses in their major designated as writing intensive (W). This course is an approved W course.

4) Technical electives must be selected in consultation with the student's advisor and from the current list of approved electives published by the department.

5) A minor in BUAD may be obtained by completing the noted courses. Each of the courses must be completed with a "C" or better.

6) To be selected from a departmental approved list.

*Grade Requirement: A grade of "C" or better is required for all Common Body Knowledge (CBK) courses [ACCT 209, AGSM 301, CHEM 101/111, ECON 202, MATH 141 & 142, PHYS 201] or equivalents and senior capstone courses AGSM 439 and AGSM 440*
Curriculum in Agricultural Systems Management

Graduates of the Agricultural Systems Management program manage people, money and machines in the food and agricultural industries. They are typically employed as production or processing operations managers, equipment managers, or in technical sales and services. Employers include farm and industrial equipment companies, food processing plants, cotton gins, grain and seed companies, livestock feeding operations, irrigation companies, construction companies, manufacturers, and a variety of other employers who need technical managers.

The technological courses are applications-oriented and focus on practical experience in food processing systems, water management, machinery and power systems, electrical systems and electronics. Business courses include accounting, economics, marketing, management, law and finance. A student may obtain a minor in business by taking one course in addition to the AGSM requirements. Management and systems science techniques such as linear programming, simulation, optimization, queuing theory, inventory models, PERT/CPM and expert systems are taught along with applications for solving realistic problems faced by agribusiness managers. Supporting courses provide a foundation of mathematics, chemistry, computer and communications skills. Technical electives are available to develop a degree program that meets personal career objectives.

The curriculum is administered by the Department of Biological and Agricultural Engineering and leads to the Bachelor of Science degree in Agricultural Systems Management.

### FRESHMAN YEAR

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<th>First Semester</th>
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<th>Second Semester</th>
<th>(Th-Pt)</th>
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<td>ENGRG 155 Eng. Graphics</td>
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### SOPHOMORE YEAR

| AGCT 205 Survey of Accounting Prin | (3-0) | 3 | ACCT 210 Survey of Managerial and Cost Accounting Prin | (3-0) | 3 |
| AGSM 301 Systems Analysis | (3-0) | 3 | AGSM 340 Occupational Safety Mgmt | (3-0) | 3 |
| COMM 200 Public Speaking | (3-0) | 3 | ENGL 210 Technical and Business Writing | (3-0) | 3 |
| ECON 203 Principles of Economics | (3-0) | 3 | ECON 203 Principles of Economics | (3-0) | 3 |
| PHYS 201 College Physics | (3-3) | 4 | Life and physical sciences elective | (3-0) | 3 |
| **TOTAL** | **16** | | **TOTAL** | **15** | |

### JUNIOR YEAR

| AGEC 314 Food and Agricultural Law | (3-0) | 3 | MGMT 309 Business, Govt. and Society | (3-0) | 3 |
| or | | | MGMT 212 Business Law | (3-0) | 3 |
| PING 402 Survey of Finance Principles | (3-0) | 3 | AGSM 310 Agricultural Machinery Mgmt | (2-2) | 3 |
| AGSM 311 Water and Soil Mgmt | (2-0) | 3 | AGSM 315 Food Process Engg. Tech | (2-2) | 3 |
| AGSM 337 "Tech. for Evrion. and Natural Resource Engineering" | (2-2) | 3 | AGSM 325 Agri-Ind. Appl. of Elect. | (2-2) | 3 |
| American history elective | (3-0) | 3 | STAT 303 Statistical Methods | (3-0) | 3 |
| Language, philosophy and culture elective | (3-0) | 3 | or | | |
| **TOTAL** | **15** | | **TOTAL** | **15** | |

---

Footnote 6: To be selected from a departmental approved list.
Detail Requirements

Information for Degree Evaluation
This is NOT an official evaluation.

Program Evaluation

Limitation Correspondence: No more than 12 hours of correspondence earned through an accredited institution may be used for an undergraduate degree.
Limitation Combination: Maximum combination of 18 hours of 481, 482, 485 and/or 491 courses may be used for an undergraduate degree.

Program: BS AGRSM
Campus: College Station
College: Agriculture & Life Sciences
Degree: Bachelor of Science
Level: Undergraduate
Majors: Agricultural Systems Mgmt
Departments: Biological & Agricultural Eng

Catalog Term: Fall 2015 - College Station
Evaluation Term: Fall 2015 - College Station
Expected Graduation Date: Request Number:
Results as of:
Minors:
Concentrations:

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Transfer:

This is NOT an official evaluation.

Area Major Coursework (40.000 credits) - Not Met

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Must make a grade of 'C' or better.

Total Credits and GPA:
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unofficial evaluation

Area Supporting Coursework (35.000 credits) - Not Met
Engineering Design Graphics Elective

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Total Credits and GPA 0.000 0.00

unofficial evaluation

Area Communication (9.000 credits) - Not Met

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Total Credits and GPA 0.000 0.00

unofficial evaluation

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Total Credits and GPA 0.000 0.00

unofficial evaluation

Area Life and Physical Sciences (11.000 credits) - Not Met

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Must make a grade of 'C' or better.

No AND C. Science Elect 3hrs
   Select from any course with the Life and Physical Sciences attribute [K.P.I.].

Total Credits and GPA 0.00 0.00

unofficial evaluation

Area: Language, Philosophy & Culture (3.000 credits) - Not Met
Met Condition Rule Subject Attribute Low High Required Credits Required Courses Term Subject Course Title Attribute Credits Grade Source
No A. Lang. Phil. Culture Rqmt 3hrs
   Select any course with the Language, Philosophy and Culture attribute [K.P.C.].

Total Credits and GPA 0.00 0.00

unofficial evaluation

Area: Creative Arts (3.000 credits) - Not Met
Met Condition Rule Subject Attribute Low High Required Credits Required Courses Term Subject Course Title Attribute Credits Grade Source
No A. Creative Arts Requirement
   Select three hours from any course with the Creative Arts attribute [K.C.A.].

Total Credits and GPA 0.00 0.00

unofficial evaluation

Area: Social and Behavioral Science (6.000 credits) - Not Met
Met Condition Rule Subject Attribute Low High Required Credits Required Courses Term Subject Course Title Attribute Credits Grade Source
No A. ECON 202
   Must make a grade of 'C' or better.
No AND B. ECON 203

Total Credits and GPA 0.00 0.00

unofficial evaluation

Area: Citizenship (12.000 credits) - Not Met
Description: Completion of 4 semesters of Upper-Level ROTC may be substituted for 3 hours of American History and 3 hours of Political Science.
Met Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Grades Source Credits Courses
No A. American History Rqmt 6hrs
   Select from any course with the [K.H.S] attribute.
No AND B. Political Science Rqmt 6hrs
   Take POLS 206 and POLS 207.

Total Credits and GPA 0.00 0.00

unofficial evaluation

Area: Work Not Applied - Met
### Detail Requirements

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unofficial evaluation

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unofficial evaluation

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unofficial evaluation
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<td>Includes AG(M) 100-499.</td>
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unofficial evaluation

Back to Display Options
CHANGE IN CURRICULUM

COLLEGE OF AGRICULTURE AND LIFE SCIENCES
DEPARTMENT OF NUTRITION AND FOOD SCIENCE
BS IN FOOD SCIENCE AND TECHNOLOGY -- FOOD SCIENCE OPTION
Texas A&M University
Request for a Change in Curriculum
Undergraduate • Graduate • Professional

1. Program request type:
   ☑ Undergraduate 
   ☐ Graduate 
   ☐ First Professional (e.g., DVM, JD, MD, etc.)

2. Request change for:
   ☑ Degree Program 
   ☐ Minor 
   ☐ Certificate

3. Request submitted by (Department or Program Name):
   NFSC

4. Program Designation and Name
   (e.g., B.A. in History, Minor in History, Certificate in European Union):
   B.S. in Food Science, Food Science Option

5. Brief description of change:
   Addition of FSTC 444 - Fundamentals of Food Law (syllabus attached) to the FSTC Major core curriculum; total number of hours - 120 - do not change; Food Science electives will drop from 9 to 6 hours but the total number of Major hours required will not change from 35; total number of Free elective hours - 10 - do not change

6. Rationale for change:
   Regulatory laws have become increasingly vital in establishing and understanding jurisdictions, labeling, packaging, safety and additives. This will provide an element heretofore missing in the requisite Food Science education. Previously this course has been offered as a Food Science elective.

Use the checkboxes below to make sure that all information is included.

7. a. Proposed curriculum attached.
   ☑ Yes 
   ☐ No

   b. Current catalog curriculum with handwritten edits attached.
   ☑ Yes 
   ☐ No

   c. Current Howdy degree evaluation with handwritten edits attached.
   ☑ Yes 
   ☐ No

   Please make sure the attached proposed curriculum, catalog and Howdy degree evaluation match.

8. a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes?
   ☐ Yes 
   ☑ No

   b. If yes, degree program hours will change from: ________ to: ________

   c. If yes, is the Texas Higher Education Coordinating Board form attached?
      [Hyperlink]
      ☑ Yes 
      ☐ No

9. If proposed changes affect other unit(s), are letters of support attached?
   ☑ Yes 
   ☐ No

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UCC/GC, January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:

[Signature] 
[Name] 
[Date]

[Signature] 
[Name] 
[Date]

[Signature] 
[Name] 
[Date]

[Signature] 
[Name] 
[Date]

Questions regarding this form should be directed to Curricular Services at 845-8201 or sandra.williams@tamu.edu

Curricular Services - 04/14

[Stamp: RECEIVED NOV 30 2015]

[Stamp: CURRICULAR SERVICES]
Food Science and Technology - BS, Food Science Option

Home >
Undergraduate Catalog >
College of Agriculture and Life Sciences >

Nutrition and Food Science >
Food Science and Technology - BS, Food Science Option
Food Science and Technology is an exciting multidisciplinary field that prepares majors with a comprehensive knowledge of the biological, physical and engineering sciences to develop new food products, design innovative processing technologies, improve food quality and nutritive value, enhance the safety of foods and ensure the wholesomeness of our food supply. Food Science majors apply the principles learned in the basic sciences such as food chemistry, biochemistry, genetics, microbiology, food engineering and nutrition to provide consumers with safe, wholesome and attractive food products that contribute to their health and well-being. For more information, visit http://nfs.tamu.edu

The undergraduate curriculum is approved by the Institute of Food Technologists (IFT) and offers two tracks, a Food Science Option and an Industry Option. These tracks provide promising career opportunities in areas such as food product/process design, technical service, research and development, quality assurance, food safety, food law, regulatory oversight, technological innovation, marketing, corporate sales, sensory evaluation and operations management. There are numerous opportunities available for corporate internships, scholarships and study abroad programs that provide real-world experience and enhance opportunities for employment after completing a baccalaureate degree. The major also provides an excellent background for those interested in professional schools, graduate studies, medicine, veterinary medicine, dentistry, pharmacy, physical therapy, nursing, occupational therapy and public health.

Food Science Option
The Food Science option provides a strong knowledge base and fundamental understanding of chemistry, biology, engineering, physics, statistics, genetics, biochemistry, microbiology and nutrition that is applied toward the preservation, processing, packaging and distribution on foods that are wholesome, affordable and safe. The goal of the curriculum is to prepare Food Scientists for career opportunities in the food and allied industries or for further studies in graduate or professional schools. See an academic advisor for specific course listings.

First Year

http://catalog.tamu.edu/undergraduate/agriculture-life-sciences/nutrition-food-science/foo... 10/16/2015
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<td>CHEM 111</td>
<td>Fundamentals of Chemistry Laboratory I</td>
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<td>ENGL 103 or ENGL 104</td>
<td>Introduction to Rhetoric and Composition or Composition and Rhetoric</td>
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<td>FSTC 201</td>
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<td>FSTC 210/NUTR 210</td>
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<td>Introductory Biology I</td>
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<td>CHEM 112</td>
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<td>ECON 202</td>
<td>Principles of Economics</td>
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<td>CHEM 228</td>
<td>Organic Chemistry II</td>
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<td>CHEM 316</td>
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<td>Quantitative Analysis Laboratory</td>
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<td>ENGL 210</td>
<td>Technical and Business Writing</td>
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<td>HORT 311/FSTC 311</td>
<td>Principles of Food Processing</td>
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<td>POLS 207</td>
<td>State and Local Government</td>
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<td>Spring</td>
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<td>FSTC 312/DASC 312</td>
<td>Food Chemistry</td>
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<td>FSTC 313/DASC 313</td>
<td>Food Chemistry Laboratory</td>
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<td>MGMT 309</td>
<td>Survey of Management</td>
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<td>STAT 302</td>
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<td>ANSC 307/FSTC 307</td>
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<td>ANSC 457/FSTC 457</td>
<td>Hazard Analysis and Critical Control Point System</td>
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<td>FSTC 305</td>
<td>Fundamental Baking</td>
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FSTC 307/ANSC 307 Meats
FSTC 315/AGSM 315 Food Process Engineering Technology
FSTC 406/POSC 406 Poultry Further Processing
FSTC 410/NUTR 410 Nutritional Pharmacometrics of Food Compounds
FSTC 440/NUTR 440 Therapeutic Microbiology: Probiotics and Related Strategies
FSTC 446/HORT 446 Commercial Fruit and Vegetable Processing
FSTC 457/ANSC 457 Hazard Analysis and Critical Control Point System
FSTC 469/NUTR 369 Experimental Nutrition and Food Science Laboratory
FSTC 471/NUTR 471 Critical Evaluation of Nutrition and Food Science Literature:
  Evidence Based Reviews
  Directed Studies
  Special Topics in...
  Research
HORT 419 Viticulture and Small Fruit Culture
HORT 420 Concepts of Wine Production
HORT 421 Enology
HORT 446/FSTC 446 Commercial Fruit and Vegetable Processing
NUTR 211 Scientific Principles of Foods
POSC 406/FSTC 406 Poultry Further Processing

Free elective 2

Term Semester Credit Hours
Fall
DASC 314/FSTC 314 Food Analysis
  3
DASC 326/FSTC 326 Food Bacteriology
  3
DASC 327/FSTC 327 Food Bacteriology Lab
  1
FSTC 481 Seminar
  1

Select one of the following:
  ANSC 307/FSTC 307 Meats
  ANSC 457/FSTC 457 Hazard Analysis and Critical Control Point System
  FSTC 305 Fundamental Baking
  FSTC 307/ANSC 307 Meats
  FSTC 315/AGSM 315 Food Process Engineering Technology
  FSTC 406/POSC 406 Poultry Further Processing
  FSTC 410/NUTR 410 Nutritional Pharmacometrics of Food Compounds
  FSTC 440/NUTR 440 Therapeutic Microbiology: Probiotics and Related Strategies
  FSTC 446/HORT 446 Commercial Fruit and Vegetable Processing
  FSTC 457/ANSC 457 Hazard Analysis and Critical Control Point System
  FSTC 469/NUTR 369 Experimental Nutrition and Food Science Laboratory
  FSTC 471/NUTR 471 Critical Evaluation of Nutrition and Food Science Literature:
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  Directed Studies
  Special Topics in...
  Research
HORT 419 Viticulture and Small Fruit Culture
HORT 420 Concepts of Wine Production
HORT 421 Enology
HORT 446/FSTC 446 Commercial Fruit and Vegetable Processing
NUTR 211 Scientific Principles of Foods
POSC 406/FSTC 406 Poultry Further Processing

Free elective 2

Term Semester Credit Hours
Spring
AGSM 315/FSTC 315 Food Process Engineering Technology
  3
BICH 303 or BICH 410 Elements of Biological Chemistry or Comprehensive Biochemistry I
  3

FSTC 444 Food Law will replace this Food Science elective in Fall term of Fourth Year.

Total degree hours - 120 - do not change.
Total FSTC Major hours - 35 - do not change
Total FSTC elective hours - 9 - do change to 6
Total Free elective hours - 10 - do not change
FSTC 401
Select one of the following:
  ANSC 307/FSTC 307 Meats
  ANSC 457/FSTC 457 Hazard Analysis and Critical Control Point System
  FSTC 305 Fundamental Baking
  FSTC 307/ANSC 307 Meats
  FSTC 315/AGSM 315 Food Process Engineering Technology
  FSTC 406/POSC 406 Poultry Further Processing
  FSTC 410/NUTR 410 Nutritional Pharmacometrics of Food Compounds
  FSTC 440/NUTR 440 Therapeutic Microbiology: Probiotics and Related Strategies
  FSTC 446/HORT 446 Commercial Fruit and Vegetable Processing
  FSTC 457/ANSC 457 Hazard Analysis and Critical Control Point System
  FSTC 469/NUTR 369 Experimental Nutrition and Food Science Laboratory
  FSTC 471/NUTR 471 Critical Evaluation of Nutrition and Food Science Literature:
    Evidence Based Reviews
  FSTC 485 Directed Studies
  FSTC 489 Special Topics in...
  FSTC 491 Research
  HORT 419 Viticulture and Small Fruit Culture
  HORT 420 Concepts of Wine Production
  HORT 421 Enology
  HORT 446/FSTC 446 Commercial Fruit and Vegetable Processing
  NUTR 211 Scientific Principles of Foods
  POSC 406/FSTC 406 Poultry Further Processing

Free elective 2
Term Semester Credit Hours 14
Total Semester Credit Hours: 120

1The Graduation requirements include a requirement for 6 hours of international and cultural diversity courses. Selection must be from courses on the approved list. Selection can be courses that also satisfy the requirement for social and behavioral sciences; creative arts; language, philosophy and culture; or electives. For Core Curriculum requirements, http://core.tamu.edu/

2Students may earn a chemistry minor by taking 6 hours of additional chemistry courses from an approved list as free electives. See the Department of Chemistry for more details. Students seeking a minor in chemistry must complete the Declaration of Minor in Chemistry form and have it approved by the undergraduate advisor in Chemistry (Room 104 Chemistry) and their NFSC advisor.
A total of 120 hours is required for graduation; 36 hours of 300/400 level courses are required to meet the Texas A&M University residency requirement.
Adding FSTC 444 to FSTC core requirements; reducing FSTC electives in Major Coursework Area from 9 to 6; General Electives remains same; total hours 120 for degree completion remains same

Detail Requirements

Information for Degree Evaluation

This is NOT an official evaluation.

Program Evaluation

Correspondence: No more than 12 hours of correspondence earned through an accredited institution may be used for an undergraduate degree.

Combination: Maximum combination of 18 hours of 481, 482, 485 and/or 491 courses may be used for an undergraduate degree.

Program:
- BS FSTC-Food Science

Catalog Term:
- Fall 2015 - College Station

Evaluation Term:
- Fall 2015 - College Station

Expected Graduation Date:
- 13

Request Number:
- Oct 13, 2015

Results as of:
-

Minors:
- Concentrations:

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This is NOT an official evaluation.

Area: Major Coursework (35.000 credits) - Not Met

Met Condition Rule Subject Attribute Low High Required Credits Required Courses Term Subject Course Title Attribute Credits Grade Source

No AND A. FSTC 201
No AND B. FSTC 210
No AND C. Product Development
FSTC 401
No AND D. Food Engineering
Select from AGSC 315; FSTC 315.
No AND E. Food Product Development
Select from FSTC 311; HORT 311.
No AND F. Food Chemistry Lab
Take FSTC 313.
No AND G. Food Chemistry
Take FSTC 312.
No AND H. Food Analysis
Take FSTC 314.
No AND I. Food Bacteriology
Select from DAEC 326; FSTC 320.
No AND J. Food Bacteriology Lab
Select from DAST "1297: FSTC 322.
No AND K. FSTC 481
No AND L. Food Science Elect 9hrs
Select from ANSC 307, 457; FSTC 300, 305, 307, 406, 410, 440, 446, 457, 469, 471, 485, 489, 491; HORT 419-420, 446, POSC 406, NUTR 211.

Add FSTC 444 - Food Law to Rule K

Move FSTC 481 to Rule L

Move Food Science Elect to Rule M; change hours from 9 hrs to 6 hrs

unofficial evaluation

Area: Supporting Coursework (6.000 credits) - Not Met

Term Subject Course Title Attribute Credits Grade Source

Total Credits and GPA: 0.000 .00

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<td>Management Rqmt 3hrs</td>
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Total Credits and GPA: 0.000 .90

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### Communication (6.000 credits) - Not Met

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Total Credits and GPA: 0.000 .00

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### Mathematics (9.000 credits) - Not Met

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<td>Math Rqmt II 3hrs</td>
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<td>No AND</td>
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<td>STAT 302</td>
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Total Credits and GPA: 0.000 .00

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### Life and Physical Sciences (33.000 credits) - Not Met

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<td>Take CHEM 102, 112.</td>
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<tr>
<td>No AND</td>
<td>D.</td>
<td>CHEM 227</td>
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<tr>
<td>No AND</td>
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<td>CHEM 228</td>
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<td>CHEM 237</td>
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<td>No AND</td>
<td>G.</td>
<td>CHEM 238</td>
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<tr>
<td>No AND</td>
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<td>CHEM 316</td>
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<td>No AND</td>
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<td>CHEM 318</td>
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<tr>
<td>No AND</td>
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<td>Nutrition Rqmt 3 hrs</td>
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<tr>
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<td>Select from NUTR 202 or 203.</td>
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<tr>
<td>No AND</td>
<td>K.</td>
<td>Biochemistry Rqmt 3hrs</td>
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<td>Select from BIOCH 305, 410.</td>
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<tr>
<td>No AND</td>
<td>L.</td>
<td>PHYS 201</td>
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</table>

Total Credits and GPA: 0.000 .00

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### Language, Philosophy & Culture (3.000 credits) - Not Met

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Remove BIOL 113/123; 15-16 UG Catalog requires only BIOL 111; 113/123 remained in deg eval through departmental error; number of hours in this area does not change; this modification makes both Food Science Options identical under Rule A, Life and Physical Sciences.
### Detail Requirements

<table>
<thead>
<tr>
<th>Area</th>
<th>Creative Arts (3.000 credits) - Not Met</th>
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<tbody>
<tr>
<td><strong>Condition</strong></td>
<td><strong>Rule</strong></td>
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<tr>
<td><strong>No</strong></td>
<td>A.</td>
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</table>

### Area: Social and Behavioral Science (3.000 credits) - Not Met

| **Condition** | **Rule** | **Subject Attribute** | **Low** | **High** | **Required Credits** | **Required Courses** | **Term Subject** | **Course Title** | **Attribute** | **Credits** | **Grade** | **Source** |
| **No** | A. | Economics | 3hrs | | | Select 3 hours from: AGEC 105, ECON 202, 203. | Total Credits and GPA | 0.000 | 0.00 |

### Area: Citizenship (12.000 credits) - Not Met

| **Condition** | **Rule** | **Subject Attribute** | **Low** | **High** | **Required Credits** | **Required Courses** | **Term Subject** | **Course Title** | **Attribute** | **Credits** | **Grade** | **Source** |
| **No** | A. | American History | 6hrs | | | Select from any course with the KHSJ attribute. | Total Credits and GPA | 0.000 | 0.00 |
| **No** | AND | B. | Political Science | 6hrs | | Take POLS 206 and POLS 207. | | | |

### Area: General Electives (18.000 credits) - Not Met

| **Condition** | **Rule** | **Subject Attribute** | **Low** | **High** | **Required Credits** | **Required Courses** | **Term Subject** | **Course Title** | **Attribute** | **Credits** | **Grade** | **Source** |
| **No** | A. | General Electives 10hrs | | | | Select from any 300-400 level course not used elsewhere. | Total Credits and GPA | 0.000 | 0.00 |

---

**General Elective Hours do not change due to addition of FSTC 444**

### Area: Work Not Applied - Met

| **Condition** | **Rule** | **Subject Attribute** | **Low** | **High** | **Required Credits** | **Required Courses** | **Term Subject** | **Course Title** | **Attribute** | **Credits** | **Grade** | **Source** |
| **No** | A. | Courses not applied | | | | | Total Credits and GPA | 0.000 | 0.00 |
### Detail Requirements

#### Area: University Writing Requirement - Not Met

<table>
<thead>
<tr>
<th>Condition Rule Subject Attribute Low High Required Credits</th>
<th>Required Courses</th>
<th>Term Subject Course Title Attribute Credits Grade Source</th>
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</thead>
<tbody>
<tr>
<td>Writing Requirement</td>
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<tr>
<td>Two courses required.</td>
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<tr>
<td>Only sections of FSTC 313, 406, 469, 461 with the Oral Communication attribute [UCRT], or 491 with the Writing attribute [UWRT] may be used to satisfy this requirement.</td>
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Total Credits and GPA 0.000 .00

#### Area: Int'l & Cult Diversity - Not Met

<table>
<thead>
<tr>
<th>Condition Rule Subject Attribute Low High Required Credits</th>
<th>Required Courses</th>
<th>Term Subject Course Title Attribute Credits Grade Source</th>
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<tbody>
<tr>
<td>Int'l &amp; Cultural Diversity 6hr</td>
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<tr>
<td>Select from courses with the International and Cultural Diversity attribute [UICO] (except sections of BUSN 289 with the UWRT attribute).</td>
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Total Credits and GPA 0.000 .00

#### Area: Foreign Language - Not Met

<table>
<thead>
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<th>Condition Rule Subject Attribute Low High Required Credits</th>
<th>Required Courses</th>
<th>Term Subject Course Title Attribute Credits Grade Source</th>
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<tbody>
<tr>
<td>Foreign Language 101</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Complete one of the following:</td>
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<td></td>
</tr>
<tr>
<td>1. Two years of the same foreign language in high school.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. A two semester sequence of the same foreign language for university credit.</td>
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</table>

Total Credits and GPA 0.000 .00

#### Area: Residence Requirement - Not Met

**Description:** A minimum of 36 hours of 300-400 level coursework must be completed at Texas A&M University. 12 hours must be in the major field.

<table>
<thead>
<tr>
<th>Condition Rule Subject Attribute Low High Required Credits</th>
<th>Required Courses</th>
<th>Term Subject Course Title Attribute Credits Grade Source</th>
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</thead>
<tbody>
<tr>
<td>Residence - Major 12hrs</td>
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<tr>
<td>Select from FSTC 300-499; NUTR 302, NUTR 302</td>
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Total Credits and GPA 0.000 .00

#### Area: GPR-Major - Not Met

<table>
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<th>Required Courses</th>
<th>Term Subject Course Title Attribute Credits Grade Source</th>
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<tr>
<td>Major GPR 29+hrs</td>
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<tr>
<td>Includes FSTC 120-499; AGSC 213, 315, ANSC 207, 407, 407; BICH 302; DASC 306, 312, 313, 314, 326, 327 320, 331, 415; HORT 311, 446; POSC 405.</td>
<td></td>
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</tr>
</tbody>
</table>

Total Credits and GPA 0.000 .00

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**Back to Display Options**

CHANGE IN CURRICULUM

COLLEGE OF AGRICULTURE AND LIFE SCIENCES
DEPARTMENT OF NUTRITION AND FOOD SCIENCE
BS IN FOOD SCIENCE AND TECHNOLOGY – INDUSTRY OPTION
Texas A&M University
Request for a Change in Curriculum
Undergraduate • Graduate • Professional

1. Program request type: 
☑ Undergraduate ☐ Graduate ☐ First Professional (ex., DVM, JD, MD, etc.)

2. Request change for: 
☑ Degree Program ☐ Minor ☐ Certificate

3. Request submitted by (Department or Program Name): 
NFSC

4. Program Designation and Name: 
B.S. in Food Science, Industry Option

5. Brief description of change: 
Addition of FSTC 444 - Fundamentals of Food Law (syllabus attached) to the FSTC Major core curriculum; total number of hours - 120 - do not change; Food Science electives will drop from 9 to 6 hours but the total number of Major hours required will not change from 35; total number of Free elective hours - 10 - do not change

6. Rationale for change: 
Regulatory laws have become increasingly vital in establishing and understanding jurisdictions, labeling, packaging, safety and additives. This will provide an element heretofore missing in the requisite Food Science education. Previously this course has been offered as a Food Science elective.

Use the checkboxes below to make sure that all information is included.

7. a. Proposed curriculum attached. ☑ Yes ☐ No
b. Current catalog curriculum with handwritten edits attached. ☑ Yes ☐ No
c. Current Howdy degree evaluation with handwritten edits attached. ☑ Yes ☐ No

Please make sure the attached proposed curriculum, catalog and Howdy degree evaluation match.

8. a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes? ☐ Yes ☑ No
b. If yes, degree program hours will change from: _________ to: _________
c. If yes, is the Texas Higher Education Coordinating Board form attached? http://www.thecb.state.tx.us/index.cfm?objectid=A0F9F7FA-9A92-4F11-2756AD3BBFF01D69 ☑ Yes ☐ No

9. If proposed changes affect other unit(s), are letters of support attached? ☑ Yes ☐ No

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UCC/GC, January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:

[Signature]
[Name]
[Title]
[Date]

[Signature]
[Name]
[Title]
[Date]

Questions regarding this form should be directed to Curricular Services at 845-8201 or sandra.williams@tamu.edu
Curricular Services - 04/14

RECEIVED
NOV 30 2015
CURRICULAR SERVICES
See notation on designated Page 4 for explanation of addition of FSTC 444 - Food Law to FSTC Industry Option Curriculum

Food Science and Technology - BS, Food Industry Option

Home > Undergraduate Catalog > College of Agriculture and Life Sciences >

Nutrition and Food Science >
Food Science and Technology - BS, Food Industry Option

Food Science and Technology is an exciting multidisciplinary field that prepares majors with a comprehensive knowledge of the biological, physical and engineering sciences to develop new food products, design innovative processing technologies, improve food quality and nutritive value, enhance the safety of foods and ensure the wholesomeness of our food supply. Food Science majors apply the principles learned in the basic sciences such as food chemistry, biochemistry, genetics, microbiology, food engineering and nutrition to provide consumers with safe, wholesome and attractive food products that contribute to their health and well-being. For more information, visit http://nfs.tamu.edu

The undergraduate curriculum is approved by the Institute of Food Technologists (IFT) and offers two tracks, a Food Science Option and an Industry Option. These tracks provide promising career opportunities in areas such as food product/process design, technical service, research and development, quality assurance, food safety, food law, regulatory oversight, technological innovation, marketing, corporate sales, sensory evaluation and operations management. There are numerous opportunities available for corporate internships, scholarships and study abroad programs that provide real-world experience and enhance opportunities for employment after completing a baccalaureate degree. The major also provides an excellent background for those interested in professional schools, graduate studies, medicine, veterinary medicine, dentistry, pharmacy, physical therapy, nursing, occupational therapy and public health.

Food Industry Option
The Food Industry option integrates knowledge from the basic disciplines of chemistry, microbiology, physics and biology and applies scientific principles from food engineering, food processing operations, sensory evaluation, food safety, HACCP, quality assurance and management to produce foods that are wholesome, affordable and safe. The goal of the curriculum is to prepare Food Technologists for careers in the food and related industries. These careers may involve food processing, manufacturing, technical service, food product development, operations management, regulatory oversight and other technology based opportunities.

http://catalog.tamu.edu/undergraduate/agriculture-life-sciences/nutrition-food-science/fo... 10/16/2015
### First Year

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Fall</th>
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<td>CHEM 101</td>
<td>Fundamentals of Chemistry I</td>
<td></td>
<td>3</td>
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<tr>
<td>CHEM 111</td>
<td>Fundamentals of Chemistry Laboratory I</td>
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<tr>
<td>ENGL 103 or ENGL 104</td>
<td>Introduction to Rhetoric and Composition or Rhetoric</td>
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<tr>
<td>FSTC 201</td>
<td>Food Science</td>
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<tr>
<td>FSTC 210/NUTR 210</td>
<td>Horizons in Nutrition and Food Science</td>
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<td>2</td>
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<tr>
<td>NUTR 202 or NUTR 203</td>
<td>Fundamentals of Human Nutrition or Scientific Principles of Human Nutrition</td>
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<tr>
<td>CHEM 102</td>
<td>Fundamentals of Chemistry II</td>
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<td>CHEM 112</td>
<td>Fundamentals of Chemistry Laboratory II</td>
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<td>AGEC 105</td>
<td>Introduction to Agricultural Economics</td>
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<td>ECON 202</td>
<td>Principles of Economics</td>
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<td>ECON 203</td>
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<td><strong>Math elective</strong></td>
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<tr>
<td>BIOL 111</td>
<td>Introductory Biology I</td>
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<td>CHEM 227</td>
<td>Organic Chemistry I</td>
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<td>CHEM 237</td>
<td>Organic Chemistry Laboratory</td>
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<td>POLS 206</td>
<td>American National Government</td>
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<td>ACCT 209</td>
<td>Survey of Accounting Principles</td>
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<td>PHYS 201</td>
<td>College Physics</td>
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<td><strong>American history elective</strong> 1</td>
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<tr>
<td><strong>Creative arts elective</strong> 1</td>
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<td>Free elective 2</td>
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### Second Year

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<td>Introductory Biology I</td>
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<td>4</td>
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<td>CHEM 227</td>
<td>Organic Chemistry I</td>
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<tr>
<td>CHEM 237</td>
<td>Organic Chemistry Laboratory</td>
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<tr>
<td>POLS 206</td>
<td>American National Government</td>
<td></td>
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<tr>
<td><strong>Math elective</strong></td>
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<td><strong>ACCT 209</strong></td>
<td>Survey of Accounting Principles</td>
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<td>3</td>
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<tr>
<td><strong>PHYS 201</strong></td>
<td>College Physics</td>
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<tr>
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<tr>
<td><strong>Creative arts elective</strong> 1</td>
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<td>Free elective 2</td>
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### Third Year

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<tr>
<td>ENGL 210</td>
<td>Technical and Business Writing</td>
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<td>HORT 311/FSTC 311</td>
<td>Principles of Food Processing</td>
<td></td>
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<tr>
<td>POLS 207</td>
<td>State and Local Government</td>
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<td><strong>Select one of the following:</strong></td>
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<tr>
<td>ANSC 307/FSTC 307</td>
<td>Meats</td>
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<td></td>
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<tr>
<td>ANSC 457/FSTC 457</td>
<td>Hazard Analysis and Critical Control Point System</td>
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<tr>
<td>FSTC 300/NUTR 300</td>
<td>Religious and Ethnic Foods</td>
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<td>FSTC 305</td>
<td>Fundamental Baking</td>
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<tr>
<td>FSTC 307/ANSC 307</td>
<td>Meats</td>
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<td>FSTC 406/POSC 406</td>
<td>Poultry Further Processing</td>
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<td>FSTC 410/NUTR 410</td>
<td>Nutritional Pharmacometrics of Food Compounds</td>
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<td>FSTC 440/NUTR 440</td>
<td>Therapeutic Microbiology: Probiotics and Related Strategies</td>
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<td>FSTC 446/HORT 446</td>
<td>Commercial Fruit and Vegetable Processing</td>
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<td>FSTC 457/ANSC 457</td>
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<tr>
<td>FSTC 469/NUTR 369</td>
<td>Experimental Nutrition and Food Science Laboratory</td>
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Critical Evaluation of Nutrition and Food Science Literature:
Evidence Based Reviews
Directed Studies
Special Topics in...
Research

Viticulture and Small Fruit Culture
Concepts of Wine Production
Enology

Commercial Fruit and Vegetable Processing
Scientific Principles of Foods
Poultry Further Processing

Term Semester Credit Hours
Spring
Marketing Agricultural and Food Products
Food Chemistry
Food Chemistry Laboratory
Survey of Management
Statistical Methods

Term Semester Credit Hours
Fall
Food Process Engineering Technology
Food Analysis
Food Bacteriology
Food Bacteriology Lab

Select one of the following:
ANSC 307/FSTC 307 Meats
ANSC 457/FSTC 457 Hazard Analysis and Critical Control Point System
FSTC 300/NUTR 300 Religious and Ethnic Foods
FSTC 305 Fundamental Baking
FSTC 307/ANSC 307 Meats
FSTC 406/POSC 406 Poultry Further Processing
FSTC 410/NUTR 410 Nutritional Pharmacometrics of Food Compounds
FSTC 440/NUTR 440 Therapeutic Microbiology: Probiotics and Related Strategies
FSTC 446/HORT 446 Commercial Fruit and Vegetable Processing
FSTC 457/ANSC 457 Hazard Analysis and Critical Control Point System
FSTC 469/NUTR 369 Experimental Nutrition and Food Science Laboratory
FSTC 471/NUTR 471 Critical Evaluation of Nutrition and Food Science Literature:
Evidence Based Reviews

FSTC 485 Directed Studies
FSTC 489 Special Topics in...
FSTC 491 Research
HORT 419 Viticulture and Small Fruit Culture
HORT 420 Concepts of Wine Production
HORT 421 Enology
HORT 446/FSTC 446 Commercial Fruit and Vegetable Processing
NUTR 211 Scientific Principles of Foods
POSC 406/FSTC 406 Poultry Further Processing

Free electives 2

Term: Semester Credit Hours
Spring
BICH 303 or BICH 410 Elements of Biological Chemistry or Comprehensive Biochemistry I
FSTC 401 Food Product Development

Total degree hours - 120 - do not change.
Total FSTC Major hours - 35 - do not change
Total FSTC elective hours - 9 - do change to 6
Total Free elective hours - 14 - do not change
### FSTC 481
Select one of the following:

- **ANSC 307/FSTC 307** Meats
- **ANSC 457/FSTC 457** Hazard Analysis and Critical Control Point System
- **FSTC 300/NUTR 300** Religious and Ethnic Foods
- **FSTC 305** Fundamental Baking
- **FSTC 307/ANSC 307** Meats
- **FSTC 406/POSC 406** Poultry Further Processing
- **FSTC 410/NUTR 410** Nutritional Pharmacometrics of Food Compounds
- **FSTC 440/NUTR 440** Therapeutic Microbiology: Probiotics and Related Strategies
- **FSTC 446/HORT 446** Commercial Fruit and Vegetable Processing
- **FSTC 457/ANSC 457** Hazard Analysis and Critical Control Point System
- **FSTC 469/NUTR 369** Experimental Nutrition and Food Science Laboratory
- **FSTC 471/NUTR 471** Critical Evaluation of Nutrition and Food Science Literature: Evidence Based Reviews
- **FSTC 485** Directed Studies
- **FSTC 489** Special Topics in...
- **FSTC 491** Research
- **HORT 419** Viticulture and Small Fruit Culture
- **HORT 420** Concepts of Wine Production
- **HORT 421** Enology
- **HORT 446/FSTC 446** Commercial Fruit and Vegetable Processing
- **NUTR 211** Scientific Principles of Foods
- **POSC 406/FSTC 406** Poultry Further Processing

**Free electives 2**

<table>
<thead>
<tr>
<th>Term Semester Credit Hours</th>
<th>16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Semester Credit Hours</td>
<td>120</td>
</tr>
</tbody>
</table>

1. The Graduation requirements include a requirement for 6 hours of international and cultural diversity courses. Selection must be from courses on the approved list. Selection can be courses that also satisfy the requirement for social and behavioral sciences; creative arts; language, philosophy and culture; or electives. For more information visit [http://core.tamu.edu](http://core.tamu.edu).

2. Students may achieve a business minor by taking the following courses as free electives: **ISYS 209**, **MGMT 209**, **FINC 409**, **MKTG 409**.

A total of 120 hours is required for graduation; 36 hours of 300/400 level courses are required to meet the Texas A&M University residency requirement.
Adding FSTC 444 to FSTC core requirements; reducing FSTC electives in Major Coursework Area from 9 to 6; General Electives remains same; total hours 120 for degree completion remains same

Detail Requirements

Information for Degree Evaluation

This is NOT an official evaluation.

Program Evaluation

Limitation Correspondence: No more than 12 hours of correspondence earned through an accredited institution may be used for an undergraduate degree.
Limitation Combination: Maximum combination of 18 hours of 481, 482, 485 and/or 491 courses may be used for an undergraduate degree.

Program: BS FSTC-Industry
Campus: College Station
College: Agriculture & Life Sciences
Degree: Bachelor of Science
Level: Undergraduate
Majors: Food Science & Technology
Departments: Nutrition & Food Science
Catalog Term: Fall 2015 - College Station
Expected Graduation Date: Fall 2015 - College Station

<table>
<thead>
<tr>
<th>Met</th>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Required</td>
<td>Used</td>
</tr>
<tr>
<td>Total Required:</td>
<td>No 120.000</td>
<td>0.000</td>
</tr>
<tr>
<td>Program GPA:</td>
<td>Yes .00</td>
<td>.00</td>
</tr>
<tr>
<td>Overall GPA:</td>
<td>No 2.00</td>
<td>.00</td>
</tr>
<tr>
<td>Other Course Information</td>
<td></td>
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<tr>
<td>Transfer:</td>
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</table>

This is NOT an official evaluation.

Area: Major Coursework (35.000 credits) - Not Met

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required Credits</th>
<th>Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>AND</td>
<td>A.</td>
<td>FSTC 201</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>No</td>
<td>AND</td>
<td>B.</td>
<td>FSTC 210</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>AND</td>
<td>C.</td>
<td>Product Development</td>
<td>FSTC 401</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>AND</td>
<td>D.</td>
<td>Food Engineering</td>
<td>Select from AGSM 315, FSTC 315.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>AND</td>
<td>E.</td>
<td>Food Processing</td>
<td>Select from FSTC 311; HORT 311.</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>No</td>
<td>AND</td>
<td>F.</td>
<td>Food Chemistry Lab</td>
<td>Take FSTC 313.</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>No</td>
<td>AND</td>
<td>G.</td>
<td>Food Chemistry</td>
<td>Take FSTC 312.</td>
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<tr>
<td>No</td>
<td>AND</td>
<td>H.</td>
<td>Fmd Analysis</td>
<td>Take FSTC 314</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>AND</td>
<td>I.</td>
<td>Food Bacteriology</td>
<td>Select from DASC 326; FSTC 326.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>AND</td>
<td>J.</td>
<td>Food Bacteriology Lab</td>
<td>Select from DASC 327; FSTC 327.</td>
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<td></td>
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</tr>
<tr>
<td>No</td>
<td>AND</td>
<td>K.</td>
<td>FSTC 481</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>No</td>
<td>AND</td>
<td>L.</td>
<td>Food Science elect 3hrs</td>
<td>Select from ANSC 307, 457; FSTC 300, 305, 307, 406, 410, 440, 446, 457, 469, 471, 485, 489, 491; HORT 415-420, 446; PSCC 406; NUTR 211.</td>
<td></td>
<td></td>
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</table>

Add FSTC 444 - Food Law to Rule K
Move FSTC 481 to Rule L
Move Food Science Elect to Rule M; change hours from 9 hrs to 6 hrs

unofficial evaluation

Area: Supporting Coursework (9.000 credits) - Not Met

Term Subject Course Title Attribute Credits Grade Source

https://compass-ssb.tamu.edu/pls/PROD/bwckcapp.P_VerifyDispEvalViewOption

10/14/2015
**Detail Requirements**

<table>
<thead>
<tr>
<th>No</th>
<th>AND</th>
<th>A. AGEC 314</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>AND</td>
<td>B. Accounting Rqmt 3hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Take ACC 209.</td>
</tr>
<tr>
<td>No</td>
<td>AND</td>
<td>C. Management Rqmt 3hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Take MGM 309.</td>
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**unofficial evaluation**

<table>
<thead>
<tr>
<th>Area</th>
<th>Communication (6.000 credits) - Not Met</th>
</tr>
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<tbody>
<tr>
<td>Met</td>
<td>Condition Rule Subject Attribute Low High Required Credits Required Courses Term Subject Course Title Attribute Credits Grade Source</td>
</tr>
<tr>
<td>No</td>
<td>A. ENGL 103 or 104</td>
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<tr>
<td>No</td>
<td>B. Communication Rqmt 3hrs</td>
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<td>Take FACUL 235.</td>
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**unofficial evaluation**

<table>
<thead>
<tr>
<th>Area</th>
<th>Mathematics (9.000 credits) - Not Met</th>
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</thead>
<tbody>
<tr>
<td>Met</td>
<td>Condition Rule Subject Attribute Low High Required Credits Required Courses Term Subject Course Title Attribute Credits Grade Source</td>
</tr>
<tr>
<td>No</td>
<td>A. Mth Rqmt I 3hrs</td>
</tr>
<tr>
<td>No</td>
<td>B. Math Rqmt II 3hrs</td>
</tr>
<tr>
<td>No</td>
<td>C. STAT 407</td>
</tr>
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</table>

**unofficial evaluation**

<table>
<thead>
<tr>
<th>Area</th>
<th>Life and Physical Sciences (26.000 credits) - Not Met</th>
</tr>
</thead>
<tbody>
<tr>
<td>Met</td>
<td>Condition Rule Subject Attribute Low High Required Credits Required Courses Term Subject Course Title Attribute Credits Grade Source</td>
</tr>
<tr>
<td>No</td>
<td>A. BIOL 111</td>
</tr>
<tr>
<td>No</td>
<td>B. Biochemistry Rqmt 3hrs</td>
</tr>
<tr>
<td>No</td>
<td>C. Chemistry Rqmt I</td>
</tr>
<tr>
<td>No</td>
<td>D. Chemistry II Rqmt</td>
</tr>
<tr>
<td>No</td>
<td>E. CHEM 237</td>
</tr>
<tr>
<td>No</td>
<td>F. CHEM 227</td>
</tr>
<tr>
<td>No</td>
<td>G. NUTR 202 or 203</td>
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<tr>
<td>No</td>
<td>H. PHYS 201</td>
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**unofficial evaluation**

<table>
<thead>
<tr>
<th>Area</th>
<th>Language, Philosophy &amp; Culture (3.000 credits) - Not Met</th>
</tr>
</thead>
<tbody>
<tr>
<td>Met</td>
<td>Condition Rule Subject Attribute Low High Required Credits Required Courses Term Subject Course Title Attribute Credits Grade Source</td>
</tr>
<tr>
<td>No</td>
<td>A. Lang, PHI, Culture Rqmt 3hrs</td>
</tr>
<tr>
<td></td>
<td>Select any course with the Language, Philosophy and Culture attribute (VFPC)</td>
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</table>

**Total Credits and GPA**

0.000 .00
unofficial evaluation

Area : Creative Arts (3.000 credits) - Not Met

<table>
<thead>
<tr>
<th>No</th>
<th>Met</th>
<th>Condition Rule Subject Attribute Low High Required Credits</th>
<th>Required Courses</th>
<th>Term Subject Course Title Attribute Credits Grade Source</th>
</tr>
</thead>
</table>
| No | A. | Creative Arts Requirement
 | Select three hours from any course with the Creative Arts attribute [KREA] | Total Credits and GPA 0.000 .00 |

Area : Social and Behavioral Science (3.000 credits) - Not Met

<table>
<thead>
<tr>
<th>No</th>
<th>Met</th>
<th>Condition Rule Subject Attribute Low High Required Credits</th>
<th>Required Courses</th>
<th>Term Subject Course Title Attribute Credits Grade Source</th>
</tr>
</thead>
</table>
| No | A. | Economics Elective 3hrs
 | Select 3 hours from ASSE 105; ECON 202, 203. | Total Credits and GPA 0.000 .00 |

Area : Citizenship (12.000 credits) - Not Met

<table>
<thead>
<tr>
<th>No</th>
<th>Met</th>
<th>Condition Rule Subject Attribute Low High Required Credits</th>
<th>Required Courses</th>
<th>Term Subject Course Title Attribute Credits Grade Source</th>
</tr>
</thead>
</table>
| No | A. | American History Rqmt 6hrs
 | Select from any course with the [KHS] attribute. | Total Credits and GPA 0.000 .00 |
| No | AND | B. | Political Science Rqmt 6hrs
 | Take POLS 206 and POLS 207. |

Area : General Electives (14.000 credits) - Not Met

<table>
<thead>
<tr>
<th>No</th>
<th>Met</th>
<th>Condition Rule Subject Attribute Low High Required Credits</th>
<th>Required Courses</th>
<th>Term Subject Course Title Attribute Credits Grade Source</th>
</tr>
</thead>
</table>
| No | A. | General Electives 14hrs
 | Select from any course 100-499 not used elsewhere. | Total Credits and GPA 0.000 .00 |

Area : Work Not Applied - Met

<table>
<thead>
<tr>
<th>No</th>
<th>Met</th>
<th>Condition Rule Subject Attribute Low High Required Credits</th>
<th>Required Courses</th>
<th>Term Subject Course Title Attribute Credits Grade Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>Courses not applied</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Area : University Writing Requirement - Not Met

<table>
<thead>
<tr>
<th>No</th>
<th>Met</th>
<th>Condition Rule Subject Attribute Low High Required Credits</th>
<th>Required Courses</th>
<th>Term Subject Course Title Attribute Credits Grade Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>Writing Requirement</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

General Elective Hours do not change due to addition of FSTC 444
Two courses required. Only sections of FSTC 313, 406, 469, 481 with the Oral Communication attribute (UCRT), or 401 with the Writing attribute (UWRT) may be used to satisfy this requirement.

unofficial evaluation

Area: Intel'l & Cult Diversity - Not Met

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low High</th>
<th>Required</th>
<th>Credits</th>
<th>Course</th>
<th>Term Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Grade Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>Intel'l &amp; Cultural Diversity 0hr</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Select from courses with the International and Cultural Diversity attribute (UCID) (except sections of BUSN 289 with the UWRT attribute).

Total Credits and GPA 0.000 0.00

unofficial evaluation

Area: Foreign Language - Not Met

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low High</th>
<th>Required</th>
<th>Credits</th>
<th>Course</th>
<th>Term Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Grade Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>Foreign Language KQMC</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Complete one of the following:
1. Two years of the same foreign language in High School.
2. A two semester sequence of the same foreign language for University credit.

Total Credits and GPA 0.000 0.00

unofficial evaluation

Area: Residence Requirement - Not Met

Description: A minimum of 36 hours of 300-400 level coursework must be completed at Texas A&M University. 12 hours must be in the major field.

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low High</th>
<th>Required</th>
<th>Term Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Grade Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>Residence - Major 12hrs</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Select from FSTC 300-499; IUTR 302.

No AND B. Residence 300-499 24hrs

Select from any 300-400 level course at Texas A&M.

Total Credits and GPA 0.000 0.00

unofficial evaluation

Area: GPR-Major - Not Met

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low High</th>
<th>Required</th>
<th>Course</th>
<th>Term Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Grade Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>Major GPR 29 hrs</td>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Includes FSTC 100-499; AGSM 213, 315; ANSC 307, 407, 467; BICH 302; DASC 306, 312, 313, 314, 326, 327, 330, 331, 410; HORT 111, 445, POSC 405.

Total Credits and GPA 0.000 0.00

unofficial evaluation

Back to Display Options

Print
CHANGE IN CURRICULUM

COLLEGE OF ARCHITECTURE
DEPARTMENT OF ARCHITECTURE
BED IN ENVIRONMENTAL DESIGN ARCHITECTURAL STUDIES
Texas A&M University
Request for a Change in Curriculum
Undergraduate • Graduate • Professional

1. Program request type:  ☒ Undergraduate  ☐ Graduate  ☐ First Professional (e.g., DVM, JD, MD, etc.)

2. Request change for:  ☒ Degree Program  ☐ Minor  ☐ Certificate

3. Request submitted by (Department or Program Name):  Architecture

Program Designation and Name:
(e.g., B.A. in History, Minor in History, Certificate in European Union):  BED

4. Brief description of change:  Changing the number of hours in Design Studios

5. Rationale for change:  Combining "paired" classes into a single design studio

6. Use the checkboxes below to make sure that all information is included.

7. a. Proposed curriculum attached.  ☐ Yes  ☒ No

8. a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes?  ☒ Yes  ☐ No

8. b. If yes, degree program hours will change from:  to:  

8. c. Current catalog curriculum with handwritten edits attached.  ☐ Yes  ☒ No

8. c. Current Howdy degree evaluation with handwritten edits attached.  ☐ Yes  ☒ No

8. c. Please make sure the attached proposed curriculum, catalog and Howdy degree evaluation match.

8. c. If the Texas Higher Education Coordinating Board form attached?  ☐ Yes  ☒ No

http://www.thecb.state.tx.us/index.cfm?objectid=A0F9F7FA-9A92-4F11-2756AD3BBFF01D60

8. d. If yes, is the Texas Higher Education Coordinating Board form attached?  ☐ Yes  ☒ No

9. If proposed changes affect another unit(s), are letters of support attached?  ☐ Yes  ☐ No

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UC/GC, January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:

Ward Wells  Date
Department Head or Program Chair (Type Name & Sign)

Leslie Fedeenbaum  Date
Chair, College Review Committee

Jorge Vanegas  Date
Dean of College

Chair, GC or UCC  Date

Questions regarding this form should be directed to Curricular Services at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 04/14

RECEIVED  NOV 17 2015
CURRICULAR SERVICES
Environmental Design Architectural Studies - BED

The degree in Environmental Design Architectural Studies requires study in the arts, humanities and sciences. The curriculum fosters creativity and problem-solving skills while providing a solid foundation in design, theory, architectural history, building and technology. Coursework encourages multidisciplinary and comparative perspectives that allow opportunities for communication and team-oriented methods of production. Global perspectives are encouraged by a mandatory semester-long study away experience that includes study abroad or internship opportunities.

Students develop skills and acquire knowledge through a studio-based experience with a variety of proposed or actual design-related projects. The studio projects place a shared emphasis on the technical and expressive content of design work; the processes by which student's research, synthesize and document their design ideas; and the creation of tangible products that achieve a high quality of graphic and physical craft.

Program Requirements

Environmental Design Architectural Studies Curriculum

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>ENGL 104</td>
<td>Composition and Rhetoric</td>
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</tr>
<tr>
<td>Communication</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MATH 141</td>
<td>Business Mathematics I</td>
<td>3</td>
</tr>
<tr>
<td>or MATH 152</td>
<td>Engineering Mathematics II</td>
<td></td>
</tr>
<tr>
<td>MATH 142</td>
<td>Business Mathematics II</td>
<td>3</td>
</tr>
<tr>
<td>or MATH 151</td>
<td>Engineering Mathematics I</td>
<td></td>
</tr>
<tr>
<td>PHYS 201</td>
<td>College Physics</td>
<td>4</td>
</tr>
<tr>
<td>Life and physical sciences (except PHYS 201)</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>American history 4</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>POLS 206</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>POLS 207</td>
<td>State and Local Government</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Semester Credit Hours 120

1. Study Away electives will be selected with approval of the Assistant Dean for International Programs & Initiatives.
2. Directed Electives are to be selected from an approved list; see the Department of Architecture Undergraduate Advisor (in Langford ARCA 219).
3. Select from any 100-499 course not used elsewhere (except MATH 100-MATH 103 and MATH 150).
4. Courses pertaining to solely Texas history may not compise more than 3 hours of the American History core curriculum requirement.

All proposals for undergraduate independent study must be signed by the supervising faculty and submitted to the department for approval; forms are available from the Department of Architecture Undergraduate Advisor (in Langford ARCA 219) and on the department website.

A grade of C or better must be made in all College of Architecture courses (ARCH, ARTS, COSC, CARC, ENDS, LAND, LDEV, URPN, and VIST).

Students must also make a grade of C or better in any course used as an equivalent substitution for College of Architecture courses satisfying degree requirements.

Environmental Design Architectural Studies Curriculum

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ARCH 205</td>
<td>Architecture Design I</td>
<td>4</td>
</tr>
<tr>
<td>ARCH 206</td>
<td>Architecture Design II</td>
<td>5</td>
</tr>
<tr>
<td>or ARCH 207</td>
<td>Architecture Design I</td>
<td></td>
</tr>
<tr>
<td>ARCH 249</td>
<td>Survey of World Architecture History I</td>
<td>3</td>
</tr>
<tr>
<td>ARCH 305</td>
<td>Architectural Design III</td>
<td>5</td>
</tr>
<tr>
<td>ARCH 330</td>
<td>The Making of Architecture</td>
<td>3</td>
</tr>
<tr>
<td>ARCH 331</td>
<td>Architectural Structures</td>
<td>3</td>
</tr>
<tr>
<td>ARCH 335</td>
<td>Architectural Systems</td>
<td>3</td>
</tr>
<tr>
<td>ARCH 350</td>
<td>History and Theory of Modern and Contemporary Architecture</td>
<td>3</td>
</tr>
<tr>
<td>ARCH 405</td>
<td>Architectural Design IV</td>
<td>5</td>
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<tr>
<td>ARCH 406</td>
<td>Architecture Design V</td>
<td>5</td>
</tr>
<tr>
<td>ARCH 431</td>
<td>Integrated Structures</td>
<td>2</td>
</tr>
<tr>
<td>ARCH 435</td>
<td>Integrated Systems</td>
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<tr>
<td>ENDS 105</td>
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<tr>
<td>ENDS 108</td>
<td>Design and Communication Foundations II</td>
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<tr>
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<td>Design Communication Foundations</td>
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</tr>
<tr>
<td>ENDS 116</td>
<td>Design Communication Foundations II</td>
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</table>

Study Away 12

Select one of the following:

Option 1:
- CARC 301 Field Studies in Design Innovation

Study Away elective 1

Study Away elective 1

Option 2:
- ARCH 494 Internship

Study Away elective 1

Directed electives 6

General elective 3

University Core Curriculum

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>ARCH 212</td>
<td>Social and Behavioral Factors in Design</td>
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<td>ARCH 213</td>
<td>Sustainable Architecture</td>
<td>3</td>
</tr>
<tr>
<td>ARCH 250</td>
<td>Survey of World Architecture History II</td>
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# Environmental Design Architectural Studies Curriculum

## PROGRAM REQUIREMENTS

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<tr>
<td>or ARCH 207</td>
<td>or Architecture Design II</td>
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<tr>
<td>ARCH 249</td>
<td>Survey of World Architecture History I</td>
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<td>ARCH 335</td>
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<td>ARCH 350</td>
<td>History and Theory of Modern and Contemporary Architecture</td>
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<td>ARCH 405</td>
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<td>CARC 301</td>
<td>Field Studies in Design Innovation</td>
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<td>Study Away elective ¹ (CARC 311)</td>
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<td>Study Away elective ¹ (CARC 331)</td>
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<td>Study Away elective ¹ (ARCH 485)</td>
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<td>Sustainable Architecture</td>
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<td>Composition and Rhetoric</td>
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<tr>
<td>MATH 141</td>
<td>Business Mathematics I</td>
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<td>or Engineering Mathematics II</td>
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<td>MATH 142</td>
<td>Business Mathematics II</td>
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<td>or Engineering Mathematics II</td>
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<td>PHYS 201</td>
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<td>Life and physical sciences (except PHYS 201)</td>
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<td>American history ⁴</td>
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<td>POLS 206</td>
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<td>POLS 207</td>
<td>State and Local Government</td>
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<td><strong>Total Semester Credit Hours</strong></td>
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1. Study Away electives will be selected with approval of the Assistant Dean for International Programs & Initiatives.
2. Directed Electives are to be selected from an approved list; see the Department of Architecture Undergraduate Advisor (in Langford ARCA 219).
3. Select from any 100-499 course not used elsewhere (except MATH 100-MATH 103 and MATH 150).
4. Courses pertaining to solely Texas history may not comprise more than 3 hours of the American History core curriculum requirement.

All proposals for undergraduate independent study must be signed by the supervising faculty and submitted to the department for approval; forms are available from the Department of Architecture Undergraduate Advisor (in Langford ARCA 219) and on the department website.

A grade of C or better must be made in all College of Architecture courses (ARCH, ARTS, COSC, CARC, ENDS, LAND, LDEV, LRPN, and VIST). Students must also make a grade of C or better in any course used as an equivalent substitution for College of Architecture courses satisfying degree requirements.
Detail Requirements

Information for Degree Evaluation
This is NOT an official evaluation.

Program Evaluation

Limitation Correspondence: No more than 12 hours of correspondence earned through an accredited institution may be used for an undergraduate degree.

Limitation Combination: Maximum combination of 18 hours of 481, 482, 485 and/or 491 courses may be used for an undergraduate degree.

Minimum Grade Reqmt No grade below a 'C' is acceptable in all College of Architecture courses or any course used as an equivalent substitution for a College of Architecture course. (ARCH 100-499; ARTS 100-499; CARC 100-499; COSC 100-499; ENDS 100-499; LAND 100-499; LDEV 100-499; PLAN 100-499; VIST 100-499).

Program: BED EDAS
Catalog Term: Fall 2015 - College Station
Campus: College Station
Evaluation Term: Fall 2015 - College Station
College: Architecture
Expected Graduation Date: 7
Degree: Bachelor of Environmental Des.
Request Number: Nov 16, 2015
Level: Undergraduate
Results as of: Minors:
Majors: Environ Design Arch Studies
Concentrations: Architecture
Departments:

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This is NOT an official evaluation.

Area: Major Coursework (43.000 credits) - Not Met
Description: Minimum Grade Reqmt No grade below a 'C' is acceptable in all College of Architecture courses or any course used as an equivalent substitution for a College of Architecture course.

Met Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute C Credits Courses

<table>
<thead>
<tr>
<th>No</th>
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<th>No</th>
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<th>B. ENDS 106 (4hrs)</th>
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<th>C. ENDS 115 (3hrs)</th>
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<th>No</th>
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<th>D. ENDS 116 (3hrs)</th>
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<th>No</th>
<th>AND</th>
<th>E. ARCH 205 (4hrs)</th>
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<th>No</th>
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<th>F. ARCH 249 (3hrs)</th>
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<tr>
<th>No</th>
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<th>G. ARCH 335 (3hrs)</th>
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<th>No</th>
<th>AND</th>
<th>H. ARCH Design (5hrs)</th>
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Select from ARCH 206, 207
unofficial evaluation

.Area: Architectural Tracks (20,000 credits) - Not Met

Met: Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Courses

| No | AND | 1. ARCH 330 (3hrs) |
| No | AND | 2. ARCH 331 (3hrs) |
| No | AND | 3. ARCH 305 (3hrs) |
| No | AND | 4. ARCH 350 (3hrs) |
|    |     | ARC 481 (1hr) |
|    |     | ARC 281 (1hr) |

Total Credits and GPA 0.000

unofficial evaluation

.Area: Supporting Coursework (12,000 credits) - Not Met

Description:

Met: Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Courses

| No | AND | A. ENDS 494 (9 hrs) |
| No | AND | B. Study Away Elective (3 hrs) |

Must be 300-400 level course approved by the Assistant Dean for International Programs and Initiatives.

| No | AND | C. ARC 301 (6 hrs) |

| No | AND | D. Study Away Elective (6 hrs) |

Must be 300-400 level course approved by the Assistant Dean for International Programs and Initiatives.

ARC 311, ARC 331

Total Credits and GPA

unofficial evaluation

.Area: Communication (6,000 credits) - Not Met

Met: Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Courses

| No | AND | A. ENCL 104 |
| No | AND | B. English/Comm Elective 3hrs |

Select 3 hours from any courses with the Communication attribute [KCOM].

Total Credits and GPA 0.000
### Area: Mathematics (6,000 credits) - Not Met

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<th>Term Subject</th>
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<tbody>
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<td>MATH 141 or 152</td>
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<td>AND</td>
<td>MATH 142 or 151</td>
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### Area: Life and Physical Sciences (9,000 credits) - Not Met

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<th>Term Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Courses</th>
<th>Total Credits and GPA</th>
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Select from any course with the Life and Physical Sciences (KLFS) attribute (except PHYS 201).

### Area: Language, Philosophy & Culture (3,000 credits) - Not Met

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<th>Attribute</th>
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<th>High</th>
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<th>Term Subject</th>
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Must make a grade of 'C' or better.

### Area: Creative Arts (3,000 credits) - Not Met

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Must make a grade of 'C' or better.

### Area: Social and Behavioral Science (3,000 credits) - Not Met

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<th>Term Subject</th>
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Must make a grade of 'C' or better.
unofficial evaluation

**Area:** Citizenship (12.000 credits) - Not Met  
**Description:** Completion of 4 semesters of Upper-Level ROTC may be substituted for 3 hours of American History and 3 hours of Political Science.  
**Met** | **Condition** | **Rule** | **Subject** | **Attribute** | **Low** | **High** | **Required** | **Required** | **Term** | **Subject** | **Course** | **Title** | **Attribute** | **Credits** | **Courses** |
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<td>AND</td>
<td>B.</td>
<td>Political Science Reqmt 6hrs</td>
<td>Take POLS 206 and POLS 207.</td>
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Total Credits and GPA

unofficial evaluation

**Area:** General Electives (3.000 credits) - Not Met  
**Met** | **Condition** | **Rule** | **Subject** | **Attribute** | **Low** | **High** | **Required** | **Required** | **Term** | **Subject** | **Course** | **Title** | **Attribute** | **Credits** | **Courses** |
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<tr>
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<td>General Electives 3 hrs</td>
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Total Credits and GPA 0.000

unofficial evaluation

**Area:** Work Not Applied - Met  
**Description:** See advisor for acceptable substitutions.  
**Met** | **Condition** | **Rule** | **Subject** | **Attribute** | **Low** | **High** | **Required** | **Required** | **Term** | **Subject** | **Course** | **Title** | **Attribute** | **Credits** | **Courses** |
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Total Credits and GPA

unofficial evaluation

**Area:** University Writing Requirement - Not Met  
**Met** | **Condition** | **Rule** | **Subject** | **Attribute** | **Low** | **High** | **Required** | **Required** | **Term** | **Subject** | **Course** | **Title** | **Attribute** | **Credits** | **Courses** |
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<td>Writing Requirement</td>
<td>Only sections of ENDS 260; ARCH 205, 248, 305 with the Writing attribute [UWRT] may be used to satisfy this requirement. Two courses required.</td>
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Total Credits and GPA 0.000

unofficial evaluation

**Area:** Int'l & Cult Diversity - Not Met  
**Met** | **Condition** | **Rule** | **Subject** | **Attribute** | **Low** | **High** | **Required** | **Required** | **Term** | **Subject** | **Course** | **Title** | **Attribute** | **Credits** | **Courses** |
unofficial evaluation

Area: Foreign Language - Not Met

<table>
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<tr>
<th>Net</th>
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<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
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<th>Term</th>
<th>Subject</th>
<th>Course</th>
<th>Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Courses</th>
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<tr>
<td>No</td>
<td>A.</td>
<td></td>
<td></td>
<td>Foreign Language Rqmt</td>
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<td>Complete one of the following:</td>
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<td></td>
<td>1. Two years of the same foreign language in High School.</td>
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<td>2. A two semester sequence of the same foreign language for University credit.</td>
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</table>

unofficial evaluation

Area: Residence Requirement - Not Met

Description: A minimum of 36 hours of 300-400 level coursework must be completed at Texas A&M University. 12 hours must be in the major field.

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
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<th>Required</th>
<th>Required</th>
<th>Term</th>
<th>Subject</th>
<th>Course</th>
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<th>Attribute</th>
<th>Credits</th>
<th>Courses</th>
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<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td></td>
<td>Residence-Major 12hrs</td>
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<td></td>
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<td></td>
<td>Select from ARCH 300-499; CARC 300-499; ENDS 300-499.</td>
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<tr>
<td>No</td>
<td>AND B.</td>
<td></td>
<td>Residence 300-499 24hrs</td>
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<td></td>
<td>Select from any 300-400 level course at Texas A&amp;M.</td>
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</tbody>
</table>

unofficial evaluation

Area: GPR-Major - Not Met

Description: A minimum GPR of 2.000 is required in all major field of study courses.

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required</th>
<th>Required</th>
<th>Term</th>
<th>Subject</th>
<th>Course</th>
<th>Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td></td>
<td>Major GPR 59+hrs</td>
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</tr>
</tbody>
</table>

unofficial evaluation

Back to Display Options

6
CHANGE IN CURRICULUM

COLLEGE OF ARCHITECTURE

DEPARTMENT OF CONSTRUCTION SCIENCE

MINOR IN FACILITY MANAGEMENT
Texas A&M University
Request for a Change in Curriculum
Undergraduate • Graduate • Professional

1. Program request type:
   - Undergraduate
   - Graduate
   - First Professional (ex., DVM, JD, MD, etc.)
   - Degree Program
   - Minor
   - Certificate

2. Request change for:
   - Program Designation and Name:
     Construction Science
   - (e.g., B.A. in History, Minor in History, Certificate in European Union):
     Minor in Facility Management

3. Request submitted by (Department or Program Name):

4. Brief description of change:
   Add COSC 333 to knowledge domain II and replace COSC 326 with COSC 325

5. Rationale for change:
   Make minor more accessible to non-majors.

6. Use the checkboxes below to make sure that all information is included.
   a. Proposed curriculum attached.
      - Yes
      - No
   b. Current catalog curriculum with handwritten edits attached.
      - Yes
      - No
   c. Current Howdy degree evaluation with handwritten edits attached.
      - Yes
      - No

7. Will degree program hours change (increase/decrease) due to the proposed curriculum changes?
   - Yes
   - No
   - If yes, degree program hours will change from: ______ to: ______

8. a. If yes, is the Texas Higher Education Coordinating Board form attached?
      - Yes
      - No

9. If proposed changes affect other unit(s), are letters of support attached?
   - Yes
   - No

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UCC/GC, January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:

Joseph Horlen
Department Head or Program Chair (Type Name & Sign) Date

Leslie Feigenbaum
Dean of College Date

Leslie Feigenbaum
Chair, College Review Committee Date

Chair, GC or UCC Date

Questions regarding this form should be directed to Curricular Services at 845-8201 or sandra-williams@tamu.edu.
Curricular Services – 04/14

RECEIVED
NOV 05 2015
CURRICULAR SERVICES
Texas A&M University
Proposed Minor Field of Study

Name of Minor Program: Facility Management Minor (revision)

Department: Construction Science

College: Architecture

Will grant a minor [✓] Yes [ ] No  Academic Year: 2016-2017

A selection from among the following courses will constitute a minor field of study.

A. The following 6 hours of course work are required.
   - COSC-450
   - COSC-474

B. Select 12 hours from the following courses.
   - Domain 1 (3 hrs)
     - ACCT-209, 210; AGEC-422
     - FINC-409; URPN-440
   - Domain II (3 hrs)
     - ARCH-458; Comm-205, 315, 324
     - COSC-353, 333; MGMT-309; URPN-440
   - Domain III (3 hrs)
     - ARCH-310, 334, 421; COSC-325
     - URPN-330, 469
   - Domain IV (3 hrs)
     - COSC-461; GEOG-390; LAND-461

Please indicate further requirements such as grade point requirement, prerequisites, resident (if above the minimum 6 hours at the 300- to 400-level), capstone or methods courses.

Minimum of _____ hours required.

Minimum of 6 hours at 300- to 400-level

College of Architecture students can apply no more than six hours of coursework toward both

At least two courses must be taken outside of the major area of study.

Must make a grade of C or better.

Reviewed and approved by:

[Signature]
Department Head/Program Director  [Date]

[Signature]
AOC Dean of College  [Date]
# Facility Management - Minor

The Department of Construction Science offers a minor in Facility Management. This minor will encompass multiple disciplines to ensure functionality of the built environment by integrating people, place, process and technology.

## Program Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COSC 450</td>
<td>Facility Management Principles and Practices</td>
<td>3</td>
</tr>
<tr>
<td>COSC 474</td>
<td>Facility Management Summer Internship</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ACCT 209</td>
<td>Survey of Accounting Principles</td>
<td></td>
</tr>
<tr>
<td>ACCT 210</td>
<td>Survey of Managerial and Cost Accounting Principles</td>
<td></td>
</tr>
<tr>
<td>AGEC 422</td>
<td>Land Economics</td>
<td></td>
</tr>
<tr>
<td>FINC 409</td>
<td>Survey of Finance Principles</td>
<td></td>
</tr>
<tr>
<td>URPN 440</td>
<td>Urban and Regional Economic Development</td>
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</tr>
<tr>
<td>Select one of the following:</td>
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<td>3</td>
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<tr>
<td>ARCH 458</td>
<td>Cultural and Ethical Considerations for Global Practice</td>
<td></td>
</tr>
<tr>
<td>COMM 205</td>
<td>Communication for Technical Professions</td>
<td></td>
</tr>
<tr>
<td>COMM 315</td>
<td>Interpersonal Communication</td>
<td></td>
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<tr>
<td>COMM 324</td>
<td>Communication Leadership and Conflict Management</td>
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<tr>
<td>COSC 353</td>
<td>Construction Project Management</td>
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<tr>
<td>MGMT 309</td>
<td>Survey of Management</td>
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<tr>
<td>URPN 440</td>
<td>Urban and Regional Economic Development</td>
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<tr>
<td>Select one of the following:</td>
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<tr>
<td>ARCH 421</td>
<td>Energy and Sustainable Architecture</td>
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<tr>
<td>COSC 420</td>
<td>Mechanical, Electrical and Plumbing Systems in Construction</td>
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<tr>
<td>URPN 330</td>
<td>Land Development I</td>
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<tr>
<td>URPN 469</td>
<td>Urban Infrastructure</td>
<td></td>
</tr>
<tr>
<td>Select one of the following:</td>
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<tr>
<td>COSC 461</td>
<td>Building Information Modeling System</td>
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</tr>
<tr>
<td>GEOG 390</td>
<td>Principles of Geographic Information Systems</td>
<td></td>
</tr>
</tbody>
</table>

| Total Semester Credit Hours | 18 |

College of Architecture students can apply no more than six hours of coursework toward both the Facility Management Minor and their degree requirements.

At least two courses must be taken outside of the major area of study.

Must make a grade of C or better.
unofficial evaluation

Area: Work Not Applied - Not Met
Description: See advisor for acceptable substitutions.

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
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<th>Required</th>
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<th>Title</th>
<th>Attribute C</th>
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<td>No</td>
<td>A.</td>
<td>Courses not applied</td>
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Total Credits and GPA: 0.000

unofficial evaluation

Area: Facility Management Minor (18.000 credits) - Not Met

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<th>Course</th>
<th>Title</th>
<th>Attribute Credits</th>
<th>Courses</th>
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<tr>
<td>No</td>
<td>A.</td>
<td>COSC 450</td>
<td>Must make grade of 'C' or better.</td>
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<tr>
<td>No</td>
<td>AND</td>
<td>B.</td>
<td>COSC 474</td>
<td>Must make grade of 'C' or better.</td>
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<td>No</td>
<td>AND</td>
<td>C.</td>
<td>Knowledge Domain I 3hrs</td>
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<tr>
<td>No</td>
<td>AND</td>
<td>D.</td>
<td>Knowledge Domain II 3hrs</td>
<td>Must make grade of 'C' or better.</td>
<td>Select from ARCH 310, 334, 421; COSC 336; URPN 330, 469.</td>
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<td>No</td>
<td>AND</td>
<td>E.</td>
<td>Knowledge Domain III 3hrs</td>
<td>Must make grade of 'C' or better.</td>
<td>Select from ARCH 310, 334, 421; COSC 336; URPN 330, 469.</td>
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<tr>
<td>No</td>
<td>AND</td>
<td>F.</td>
<td>Knowledge Domain IV 3hrs</td>
<td>Must make grade of 'C' or better.</td>
<td>Select from COSC 461; GEOS 350; LAND 461.</td>
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Total Credits and GPA: 0.000

unofficial evaluation

Area: University Writing Requirement - Not Met

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<th>Required</th>
<th>Term</th>
<th>Subject</th>
<th>Course</th>
<th>Title</th>
<th>Attribute Credits</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>Writing Requirement</td>
<td>Two courses required. Only sections of CHEM 100-499 with the Writing attribute (UMRT) or the Oral Communication attribute (UCRT) may be used to satisfy this requirement.</td>
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</table>

Total Credits and GPA: 0.000

CHANGE IN CURRICULUM

COLLEGE OF ARCHITECTURE
DEPARTMENT OF VISUALIZATION
MINOR IN ART
Texas A&M University
Request for a Change in Curriculum
Undergraduate + Graduate + Professional

1. Program request type:  
   ✔ Undergraduate  ☐ Graduate  ☐ First Professional (e.g., DVM, JD, MD, etc.)

2. Request change for:  
   ☐ Degree Program  ✔ Minor  ☐ Certificate

3. Request submitted by (Department or Program Name):  
   Department of Visualization

Program Designation and Name  
(e.g., B.A. in History, Minor in History, Certificate in European Union):  
Minor in Art

4. Brief description of change:  
   Increasing the minimum GPA for admittance into the minor from 2.75 to 3.00.

5. Rationale for change:  
   Current interest in the Art Minor is high and expected to increase. Enrollment in the minor is currently at the maximum number of students that we can administer. If we don't take steps to control admittance, our resources will be overwhelmed. Raising the minimum GPA will help lower the number of students eligible for admittance.

6. Use the checkboxes below to make sure that all information is included.

   a. Proposed curriculum attached.  
      ✔ Yes  ☐ No
   b. Current catalog curriculum with handwritten edits attached.  
      ✔ Yes  ☐ No
   c. Current Howdy degree evaluation with handwritten edits attached.  
      ☐ Yes  ☐ No

   Please make sure the attached proposed curriculum, catalog and Howdy degree evaluation match.

   a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes?  
      ☐ Yes  ✔ No
   b. If yes, degree program hours will change from:  
      __________ to:  
      __________
   c. If yes, is the Texas Higher Education Coordinating Board form attached?  
      http://www.thecb.state.tx.us/index.cfm?objectid=A0F9F7FA-9A92-4F11-2756AD3BBFF01D60  
      ☐ Yes  ☐ No

9. If proposed changes affect other unit(s), are letters of support attached?  
   ☐ Yes  ☐ No

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UCC/GC, January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:  

Timothy McLaughlin  11/16/2015  Dean of College  11/17/2015
Department Head or Program Chair (Type Name & Sign)  Date  Chair, GC or UCC  Date

Chair, College Review Committee  Date

Questions regarding this form should be directed to Curricular Services at 845-8201 or sandra-williams@tamu.edu.  
Curricular Services – 04/14
Art - Minor

Students pursuing other majors may minor in Art by taking a minimum of 18 hours. There are two emphases within the minor, traditional media and new media. A minimum of six hours of 300-400 level courses is required.

Students must have a minimum cumulative GPR of 3.00 and must maintain a “C” average or better in all courses completed as part of the minor in Art. The student’s home college/department may grant, with agreement from the Department of Visualization, transfer credit of no more than six credit hours. Transfer credit will not be accepted for any 300- or 400-level course. Credit for study abroad (CARC) courses may not be applied to the minor in Art if an on-campus course containing similar content is offered.

Per University guidelines, the student’s home college/department is responsible for advising students pursuing a minor in Art.

Program Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTS 349</td>
<td>The History of Modern Art</td>
<td>3</td>
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</tbody>
</table>

Select one of the following emphases: 15

**Traditional Media Emphasis:**
- ARTS 111 Drawing I
- ARTS 212 Life Drawing
- ARTS 305 Painting I
- ARTS 308 Sculpture
- ARTS 311 Black and White Photography
- ARTS 312 Advanced Photography
- ARTS 353 Color Theory
- CARC 311 Field Studies in Design Communication
- CARC 331 Field Studies in Design Philosophy

**New Media Emphasis:** The following courses must be taken prior to additional New Media Emphasis Courses
- ARTS 103 Design I
- ARTS 104 Introduction to Graphic Design

Take the following course two times:
- VIST 284 Visualization Techniques

Select three from the following:
- ARTS 210 Introduction to Photography
- ARTS 303 Graphic Design I
- ARTS 304 Graphic Design II
- ARTS 312 Advanced Photography
- ARTS 325 Digital Painting
- ARTS 403 Graphic Design III
- VIST 372 Creating Digital Environments
- VIST 374 Multimedia Design and Development
- VIST 465 Art, Culture and Time Based Media
- VIST 474 Designing for the Web
- CARC 335 Field Studies in Indisciplinary Design Theory

Total Semester Credit Hours

18

Minimum of 6 hours of 300- or 400-level courses are required. Students must make a grade of "C" or better in all courses.
unofficial evaluation

**Area : General Electives (3.000 credits) - Not Met**

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition Rule Subject Attribute Low High Required Term Subject Course Title Attribute Credits</th>
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<tbody>
<tr>
<td>No</td>
<td>A. Upper-Level Elect 3hrs</td>
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</tr>
<tr>
<td></td>
<td>Select from any 300-499 course not used elsewhere.</td>
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<tr>
<td></td>
<td>If you do not participate in study abroad, 3 hours will come from ICD.</td>
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unofficial evaluation

**Area : Work Not Applied - Met**

<table>
<thead>
<tr>
<th>Description</th>
<th>See advisor for acceptable substitutions.</th>
</tr>
</thead>
</table>

unofficial evaluation

**Area : Art Minor (18.000 credits) - Not Met**

<table>
<thead>
<tr>
<th>Description</th>
<th>Minimum of 18 hours required.</th>
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<tbody>
<tr>
<td></td>
<td>Student must select from the Traditional Media or New Media options.</td>
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<tr>
<td></td>
<td>Minimum of 6 hours at 300- to 400-level.</td>
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<tr>
<td></td>
<td>Must make a grade of 'C' or better.</td>
</tr>
<tr>
<td></td>
<td>Credit for study abroad (CARC) courses may not be applied to the minor in Art if an on-campus course containing similar content is applied to</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition Rule Subject Attribute Low High Required Term Subject Course Title Attribute Credits</th>
<th>Courses</th>
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<tbody>
<tr>
<td>No</td>
<td>A. ARTS 349</td>
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</tr>
<tr>
<td></td>
<td>Must make grade of 'C' or better.</td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>AND ( B. Traditional Media 12hrs</td>
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<tr>
<td></td>
<td>Select from ARTS 111, 212, 305, 308, 311, 312, 353; CARC 311, 331. Must make grade of 'C' or better.</td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>AND C. ARTS 111</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Must make grade of 'C' or better.</td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>)OR( D. New Media Rqmt I 6hrs</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select from ARTS 103, 104; VIST 284. Take VIST 284 twice. Must make grade of 'C' or better.</td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>AND E. New Media Rqmt II 9hrs</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select from ARTS 210, 303, 304, 312, 325, 403; CARC 335; VIST 372, 374, 465, 474. Must make grade of 'C' or better.</td>
<td></td>
</tr>
</tbody>
</table>

unofficial evaluation

**Area : University Writing Requirement - Not Met**

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition Rule Subject Attribute Low High Required Term Subject Course Title Attribute Credits</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A. Writing Requirement</td>
<td></td>
</tr>
</tbody>
</table>
CHANGE IN CURRICULUM
MAYS BUSINESS SCHOOL
MINOR IN BUSINESS ADMINISTRATION
Texas A&M University  
Request for a Change in Curriculum  
Undergraduate ♦ Graduate ♦ Professional

1. Program request type:  
   - ☑ Undergraduate  
   - ☐ Graduate  
   - ☐ First Professional (ex., DVM, JD, MD, etc.)

2. Request change for:  
   - ☑ Degree Program  
   - ☑ Minor  
   - ☐ Certificate

3. Program Designation and Name:  
   - Mays Business School

4. (e.g., B.A. in History, Minor in History, Certificate in European Union):  
   - Minor in Business Administration

5. Brief description of change:  
   - Change the minor name from "Business Administration" to Business.

6. Rationale for change:  
   - The phrase "business administration" has an archaic undertone.
   - Other than the degrees awarded by Mays Business School, i.e. Bachelor of Business Administration and Master of Business Administration, Mays has followed the lead of older American business schools and phased out most references to "Business Administration."
   - At this point, the term "minor in business" or "business minor" fully describes itself, and is not enhanced by inclusion of the word "administration."

Use the checkboxes below to make sure that all information is included.

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>7a</td>
<td>☑</td>
<td></td>
</tr>
<tr>
<td>7b</td>
<td>☑</td>
<td></td>
</tr>
<tr>
<td>7c</td>
<td>☑</td>
<td></td>
</tr>
<tr>
<td>8a</td>
<td>☐</td>
<td>☑</td>
</tr>
<tr>
<td>8b</td>
<td>☐</td>
<td></td>
</tr>
<tr>
<td>8c</td>
<td>☐</td>
<td></td>
</tr>
</tbody>
</table>

7. a. Proposed curriculum attached.  
   - ☑ Yes  
   - ☐ No

    b. Current catalog curriculum with handwritten edits attached.  
   - ☑ Yes  
   - ☐ No

    c. Current Howdy degree evaluation with handwritten edits attached.  
   - ☑ Yes  
   - ☐ No

    Please make sure the attached proposed curriculum, catalog and Howdy degree evaluation match.

8. a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes?  
   - ☐ Yes  
   - ☑ No

    b. If yes, degree program hours will change from:  

    c. If yes, is the Texas Higher Education Coordinating Board form attached?  
   - ☐ Yes  
   - ☑ No

   - http://www.thecb.state.tx.us/index.cfm?objectid=A0F9F7FA-9A92-4F11-2756AD3BBFF01D60

9. If proposed changes affect other unit(s), are letters of support attached?  
   - ☐ Yes  
   - ☑ No

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UCC/GC, January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:  
Peter K. Drysdale  
Department Head or Program Chair  
Type Name & Sign  
Date  

Michelle C. Day  
Chair, College Review Committee  
Type Name & Sign  
Date  

Deans of College  
Type Name & Sign  
Date  

Chair, GC or UCC  
Type Name & Sign  
Date  

Questions regarding this form should be directed to Curricular Services at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 04/14
Curriculum: The courses listed below constitute the 18 hours required for a minor in business:

<table>
<thead>
<tr>
<th>COURSE NUMBER</th>
<th>NOTES</th>
<th>COURSE TITLE</th>
<th>HOURS and GRADE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 209 or TCCNS ACCT 2301 or 2401</td>
<td>1</td>
<td>Survey of Accounting Principles</td>
<td>3 C or better</td>
</tr>
<tr>
<td>ISYS 209</td>
<td>2, 3</td>
<td>Business Information Systems Concepts</td>
<td>3 C or better</td>
</tr>
<tr>
<td>MGMT 209 or Blinn College BUSI 2371</td>
<td>1</td>
<td>Business, Government, and Society</td>
<td>3 C or better</td>
</tr>
<tr>
<td>FINC 409</td>
<td>2, 5</td>
<td>Survey of Finance Principles</td>
<td>3 C or better</td>
</tr>
<tr>
<td>MGMT 309</td>
<td>2, 5</td>
<td>Survey of Management</td>
<td>3 C or better</td>
</tr>
<tr>
<td>MKTG 409</td>
<td>2, 5</td>
<td>Principles of Marketing</td>
<td>3 C or better</td>
</tr>
</tbody>
</table>

Notes:

1. The student's home college or major department may grant, subject to agreement from Mays, transfer course work for ACCT 209 and MGMT 209.
2. ISYS 209, FINC 409, MGMT 309 and MKTG 409 must be taken at Texas A&M University and substitutions will not be allowed.
3. Credit by exam is offered for students who have not taken ISYS 209 but can demonstrate mastery of the course concepts. See [http://dars.tamu.edu/Testing](http://dars.tamu.edu/Testing).
4. MGMT 212 Business Law (or its TCCNS equivalent, BUSI 2301) is not equivalent to the required course MGMT 209 and will not be approved for substitution.
5. All students pursuing the minor in business must have more than 60 credit hours in Howdy at the time of registration to enroll in FINC 409, MGMT 309 and MKTG 409. Mays Business School makes no exceptions to this prerequisite.
BUSINESS ADMINISTRATION - MINOR

Home > Undergraduate Catalog > Mays Business School > Business Administration - Minor

Overview

The minor in business consists of six specific courses chosen to develop a foundational knowledge in the basic aspects of business, including accounting, finance, management information systems, management, and marketing.

The courses listed below constitute the 18 hours required for a minor in business.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 209</td>
<td>Survey of Accounting Principles</td>
<td>3</td>
</tr>
<tr>
<td>ISYS 209</td>
<td>Business Information Systems Concepts</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 209</td>
<td>Business, Government and Society</td>
<td>3</td>
</tr>
<tr>
<td>FINC 409</td>
<td>Survey of Finance Principles</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 309</td>
<td>Survey of Management</td>
<td>3</td>
</tr>
<tr>
<td>MKTG 409</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Semester Credit Hours</strong></td>
<td></td>
<td><strong>18</strong></td>
</tr>
</tbody>
</table>

1 MGMT 212 cannot be used to meet this requirement.

2 Course must be taken in residence at Texas A&M. No transfer courses will be accepted.

3 Credit by exam is offered for students who have not taken ISYS 209 but can demonstrate mastery of the concepts. See http://dare.tamu.edu/Testing. Students must earn a grade of "C" or better in each course listed above to be awarded the business minor and receive transcript recognition.
<table>
<thead>
<tr>
<th>No</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low Credits</th>
<th>High Credits</th>
<th>Required Courses</th>
<th>Term</th>
<th>Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Grade</th>
<th>Source</th>
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<tbody>
<tr>
<td>No</td>
<td>AND</td>
<td>B.</td>
<td>ISYS 209</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>AND</td>
<td>C.</td>
<td>MGMT 209</td>
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<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>AND</td>
<td>D.</td>
<td>FINC 409</td>
<td></td>
<td></td>
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<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>AND</td>
<td>E.</td>
<td>MGMT 309</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>AND</td>
<td>F.</td>
<td>MKTG 409</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

Note: Cannot use MGMT 212 to meet this requirement.
Must make a grade of 'C' or better.

Total Credits and GPA 0.000 .00

unofficial evaluation
CHANGE IN CURRICULUM
MAYS BUSINESS SCHOOL
DEPARTMENT OF INFORMATION AND OPERATIONS MANAGEMENT
BBA IN MANAGEMENT INFORMATION SYSTEMS
Texas A&M University
Request for a Change in Curriculum
Undergraduate • Graduate • Professional

1. Program request type:  
   - Undergraduate  
   - Graduate  
   - First Professional (e.g., DVM, JD, MD, etc.)

2. Request change for:  
   - Degree Program  
   - Minor  
   - Certificate

3. Request submitted by (Department or Program Name):  
   - Information and Operations Management

Program Designation and Name
- BBA - Management Information Systems

4. Brief description of change:
   We would like to remove ISYS 300 and ISYS 400 from the Major Coursework area and add the two credits (one per course) to the General Elective area.

5. Rationale for change:
   ISYS 300 and ISYS 400 currently fulfill the University Writing Requirement for BBA-MISY students. Students will now fulfill this requirement with MKTG 321 (a core business course required of all BBA students) and ISYS 410 (a requirement for all BBA-MISY students). MKTG 321 already holds the UCRT attribute, and ISYS 410 is currently being certified as a writing-intensive course through the University Writing Center and will hold the UWR attribute.

6. Use the checkboxes below to make sure that all information is included.

7. a. Proposed curriculum attached. ✔Yes  
   b. Current catalog curriculum with handwritten edits attached. ✔Yes  
   c. Current Howdy degree evaluation with handwritten edits attached. ✔Yes

   Please make sure the attached proposed curriculum, catalog and Howdy degree evaluation match.

8. a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes? □Yes  ✔No
   b. If yes, degree program hours will change from: __________ to: __________
   c. If yes, is the Texas Higher Education Coordinating Board form attached?  
      - http://www.thech.state.tx.us/index.cfm?objectid=A059F7FA-9A92-4F11-2756AD3BBFF01D60
      □Yes  □No

9. If proposed changes affect other unit(s), are letters of support attached?  
   □Yes  □No

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UCC/GC, January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:  
Rich Metters
Department Head or Program Chair (Type Name & Sign)  
Date: 11/16/2015
Martha Louder
Dean of College  
Date:  
Michelle Diaz
Chair, College Review Committee  
Date: 11/16/2015
Chair, GC or UCC  
Date:  

Questions regarding this form should be directed to Curricular Services at 845-8201 or sandra.williams@tamu.edu
Curricular Services – 04/14

[Stamp: RECEIVED NOV 18 2015]
Detail Requirements

Information for Degree Evaluation
This is NOT an official evaluation.

Program Evaluation

Limitation Correspondence: No more than 12 hours of correspondence earned through an accredited institution may be used for an undergraduate degree.

Limitation Combination: Maximum combination of 18 hours of 481, 482, 485 and/or 491 courses may be used for an undergraduate degree.

Limitation Mathematics: No more than one course may be used from Math 141, 452, 166 or 172 in this degree plan.

Limitation Mathematics: Only one course may be used from Math 131, 142, 151 or 171 in this degree plan.

<table>
<thead>
<tr>
<th>Program :</th>
<th>BBA MISY</th>
<th>Catalog Term :</th>
<th>Fall 2015 - College Station</th>
</tr>
</thead>
<tbody>
<tr>
<td>Campus :</td>
<td>College Station</td>
<td>Evaluation Term :</td>
<td>Fall 2015 - College Station</td>
</tr>
<tr>
<td>College :</td>
<td>Mays Business School</td>
<td>Expected Graduation Date :</td>
<td></td>
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<tr>
<td>Degree :</td>
<td>Bachelor of Business Admin.</td>
<td>Request Number :</td>
<td>9</td>
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<tr>
<td>Level :</td>
<td>Undergraduate</td>
<td>Results as of :</td>
<td>Nov 04, 2015</td>
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<tr>
<td>Majors :</td>
<td>Management Information Systems</td>
<td>Concentrations :</td>
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<tr>
<td>Departments :</td>
<td>Information &amp; Operations Mgmt</td>
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<table>
<thead>
<tr>
<th>Met Credits</th>
<th>Courses</th>
</tr>
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<tbody>
<tr>
<td></td>
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</tr>
<tr>
<td>Total Required :</td>
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</tr>
<tr>
<td>Program GPA :</td>
<td>Yes</td>
</tr>
<tr>
<td>Overall GPA :</td>
<td>No</td>
</tr>
</tbody>
</table>

Other Course Information

Transfer :

0.000

0

This is NOT an official evaluation.

Area : Major Coursework ( 26.000 credits ) - Not Met

Met Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Courses

No A. ISYS 250
No AND B. ISYS 310
No AND C. ISYS 315
No AND D. ISYS 320
No AND E. ISYS 410
No AND F. ISYS 415
No AND G. ISYS 281 or 481 3hrs
No AND H. ISYS 300
No AND I. ISYS 490
No AND J. Directed Electives 3hrs
No AND K. Directed Electives 3hrs
Select from GEOG 390; ISYS 325, 420, 425, 450, 460, 485, 489; MGMT 422, 439, 460; MKTG 438; SCMT 335-336, 340, 345, 361, 375, 380, 465, 468, 485, 489.

Total Credits and GPA 0.000

unofficial evaluation

Area: Supporting Coursework (6.000 credits) - Not Met

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition Rule</th>
<th>Subject Attribute Low High</th>
<th>Required</th>
<th>Required Term</th>
<th>Subject Course Title</th>
<th>Attribute Credits</th>
<th>Courses</th>
</tr>
</thead>
</table>

Total Credits and GPA 0.000

unofficial evaluation

Area: Common Body of Knowledge (CBK) (36.000 credits) - Not Met

Description: CBK GPA Rqmt: A minimum GPA of 2.00. Transfer grades are not calculated in GPA requirement for CBK.

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition Rule</th>
<th>Subject Attribute Low High</th>
<th>Required</th>
<th>Required Term</th>
<th>Subject Course Title</th>
<th>Attribute Credits</th>
<th>Courses</th>
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</thead>
<tbody>
<tr>
<td>No</td>
<td>A. ACCT 229</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>No</td>
<td>AND B. ACCT 230</td>
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<td></td>
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<td>No</td>
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<tr>
<td>No</td>
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<tr>
<td>No</td>
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<tr>
<td>No</td>
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<td>No</td>
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<td>No</td>
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<tr>
<td>No</td>
<td>AND J. SCMT 303</td>
<td></td>
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<tr>
<td>No</td>
<td>AND K. SCMT 364</td>
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<tr>
<td>No</td>
<td>AND L. MGMT 466</td>
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Total Credits and GPA 0.000

unofficial evaluation

Area: Communication (6.000 credits) - Not Met

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition Rule</th>
<th>Subject Attribute Low High</th>
<th>Required</th>
<th>Required Term</th>
<th>Subject Course Title</th>
<th>Attribute Credits</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A. Communication Rqmt 6hrs</td>
<td></td>
<td></td>
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<td></td>
<td>Select from ENGL 104; COMM 203, 205, 243.</td>
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</tr>
</tbody>
</table>

Total Credits and GPA 0.000

unofficial evaluation

https://compass-ssb.tamu.edu/pls/PROD/bwckapp.P_VerifyDispEvalViewOption
Area: Mathematics (6.000 credits) - Not Met

<table>
<thead>
<tr>
<th>Met</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required</th>
<th>Required</th>
<th>Term</th>
<th>Subject</th>
<th>Course</th>
<th>Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Courses</th>
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<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>MATH 141</td>
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</tr>
<tr>
<td>No</td>
<td>AND</td>
<td>B.</td>
<td>MATH 142</td>
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Total Credits and GPA: 0.000

unofficial evaluation

Area: Life and Physical Sciences (9.000 credits) - Not Met

<table>
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<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required</th>
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<th>Term</th>
<th>Subject</th>
<th>Course</th>
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<th>Attribute</th>
<th>Credits</th>
<th>Courses</th>
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</thead>
<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>Life/Physical Sciences 9hrs</td>
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<tr>
<td></td>
<td></td>
<td>Select 9 hours from any courses with the Life and Physical Sciences attribute [KLPS].</td>
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</table>

Total Credits and GPA: 0.000

unofficial evaluation

Area: Language, Philosophy & Culture (3.000 credits) - Not Met

<table>
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<tr>
<th>Met</th>
<th>Rule</th>
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<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required</th>
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<th>Course</th>
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<th>Courses</th>
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</thead>
<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>Lang, Phil, Culture Rqmt 3hrs</td>
<td></td>
<td></td>
<td></td>
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<td></td>
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<td>Select any course with the Language, Philosophy and Culture attribute [KLPC].</td>
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</table>

Total Credits and GPA: 0.000

unofficial evaluation

Area: Creative Arts (3.000 credits) - Not Met

<table>
<thead>
<tr>
<th>Met</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required</th>
<th>Required</th>
<th>Term</th>
<th>Subject</th>
<th>Course</th>
<th>Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Courses</th>
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<td>Creative Arts Requirement</td>
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<td></td>
<td></td>
<td>Select three hours from any course with the Creative Arts attribute [KCRA].</td>
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</tbody>
</table>

Total Credits and GPA: 0.000

unofficial evaluation

Area: Social and Behavioral Sciences (3.000 credits) - Not Met

<table>
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<tr>
<th>Met</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required</th>
<th>Required</th>
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<th>Subject</th>
<th>Course</th>
<th>Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Courses</th>
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</thead>
<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>Social Science Rqmt 3hrs</td>
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<td></td>
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<td>Select from courses with the Social and Behavioral Science attribute [KSOC].</td>
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</table>

Total Credits and GPA: 0.000

unofficial evaluation

https://compass-ssb.tamu.edu/pls/PROD/bwckcapp.P_VerifyDispEvalViewOption

11/4/2015
Area: Citizenship (12.000 credits) - Not Met
Description: Completion of 4 semesters of Upper-Level ROTC may be substituted for 3 hours of American History and 3 hours of Political Science.

Met Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute C
Credit Courses

No A. American History Reqmt 6hrs
Select from any course with the [KHIS] attribute.

No AND B. Political Science Reqmt 6hrs
Take POLS 206 and POLS 207.

Total Credits and GPA

unofficial evaluation

Area: General Electives (7.000 credits) - Not Met

Met Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits
Credit Courses

No A. Electives 7hrs
Select from any 100-499 course not used elsewhere (except ACCT 209-210; FINC 409; IBUS 301; ISYS 209; KINE 198; MGMT 209, 309; MKTG 409; SABR 300-399; SCMT 309)

Total Credits and GPA 0.000

unofficial evaluation

Area: Work Not Applied - Met
Description: See advisor for acceptable substitutions.

Met Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute C
Credit Courses

No A. Courses not applied

Total Credits and GPA

unofficial evaluation

Area: University Writing Requirement - Not Met

Met Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits
Credit Courses

No A. Writing Requirement
Two courses required.
Only sections of ISYS 360 with the Writing attribute [UWRT] and ISYS 498 with the Oral Communication attribute [UCRT] may be used to satisfy this requirement.

MKTG 321

Total Credits and GPA 0.000

unofficial evaluation

Area: Int'l & Cult Diversity - Not Met

Met Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits
Credit Courses

No A. Int'l & Cultural Diversity 6hr
Select from courses with the International and Cultural Diversity attribute [UCDT] (except sections of BUSN 269 with the UWRT attribute).

https://compass-ssb.tamu.edu/pls/PROD/bwckapp.P_VerifyDispEvalViewOption

11/4/2015
unofficial evaluation

Area: Foreign Language - Not Met

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition Rule</th>
<th>Subject Attribute</th>
<th>Low High</th>
<th>Required Required</th>
<th>Term Subject Course</th>
<th>Title Attribute</th>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>Foreign Language Rqmt</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

Complete one of the following:
1. Two years of the same foreign language in High School.
2. A two semester sequence of the same foreign language for University credit.

unofficial evaluation

Area: Residence Requirement - Not Met

Description: A minimum of 3C hours of 300-400 level coursework must be completed at Texas A&M University. 12 hours must be in the major field.

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition Rule</th>
<th>Subject Attribute</th>
<th>Low High</th>
<th>Required Required</th>
<th>Term Subject Course</th>
<th>Title Attribute</th>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>Residence - Major 12hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Select 12hrs from ISYS 300-499; SCMT 300-499 (Exclude SCMT 309). Courses must be completed at Texas A&M University.

| No  | AND | B.   | Residence Rqmt 300-499 24hrs |         |                     |                |         |         |

Select 24hrs from any 300-400 level course at Texas A&M University, (except IBUS 301; SABR 300-399).

unofficial evaluation

Area: GPR-Major - Not Met

Description: Minimum GPA Rqmt A minimum GPA of 2.000 must be maintained in all major field courses.

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition Rule</th>
<th>Subject Attribute</th>
<th>Low High</th>
<th>Required Required</th>
<th>Term Subject Course</th>
<th>Title Attribute</th>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>Major GPA 29+hrs</td>
<td></td>
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<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

Includes: GEOG 390; ISYS 200-499 (except ISYS 209); MGMT 442, 439, 460; MKTG 438; SCMT 335-336, 340, 345, 361, 375, 380, 465, 468, 485, 489.

unofficial evaluation

Back to Display Options

Print

Management Information Systems - BBA

The Management Information Systems major produces graduates who are both business analysts (i.e., professionals who understand accounting, marketing, finance, etc.) and information system specialists (i.e., professionals who can implement information systems strategies). Graduates of the program possess the business, technical, and leadership skills to meet the challenges presented by rapidly evolving information technology and the need to effectively incorporate this technology into business strategy and day-to-day operations.

Upper-level Entry Requirements and Application Procedures

Students who meet the University and college entrance requirements enter Mays Business School in the BUAD (lower-level business) classification. Enrollment of Mays Business School students in junior- and senior-level business courses is limited to those who have been admitted to upper-level (also referred to as upper division) in one of the seven majors (B.B.A.: accounting, business honors, finance, management, management information systems, marketing, and supply chain management) in the college.

The B.B.A. (accounting, business honors, finance, management, management information systems, marketing, and supply chain management) upper-level entry requirements and application procedures are as follows:

1. To be admitted to an upper-level major, a student must be admitted to Mays Business School and must have:
   - Satisfactorily completed the following five courses:
     - ACCT 229 Introductory Accounting
     - ECON 202 Principles of Economics
     - ECON 203 Principles of Economics
     - MATH 141 Business Mathematics I (or its equivalent)
     - MATH 142 Business Mathematics II (or its equivalent)

2. BUAD students apply for upper level no later than the last class day of the semester before they expect to enter upper level. To enter upper level in the summer, all requirements must be completed by the beginning of the first summer session.
   - Unless satisfactorily completed prior to upper-level entry, business students must successfully complete these three remaining lower-level Common Body of Knowledge (CBK) courses at Texas A&M during their first upper-level semester:
     - ACCT 230 Introductory Accounting
     - ISYS 210 Fundamentals of Information Systems
     - MGMT 211 Legal and Social Environment of Business

3. Transfer students: Transfer students admitted to Mays Business School will be classified as BUAD (lower-level Business) students until they complete all requirements listed previously in Item 1, at which time they may apply for admission to an upper-level major field of study. Transfer students may immediately apply for upper-level when admitted to Mays Business School if, and only if, they meet all upper-level requirements at that time.

4. Change of curriculum students: Texas A&M students who change curriculum into Mays Business School from another college or department at the University will be classified as BUAD (lower-level Business) students until they complete all requirements listed previously in Item 1. Change of curriculum students who, when admitted to the business school, qualify to apply for admission to upper level may do so.

Preference for available seats in junior- and senior-level business courses will be given to students who have been admitted to a degree granting major in Mays Business School. All ineligible students who pre-register for upper-level business classes are subject to cancellation of their registration in these courses.

Program Requirements

Lower-Level Business Program

First Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 141 Business Mathematics I</td>
<td>3</td>
</tr>
<tr>
<td>American history</td>
<td>3</td>
</tr>
<tr>
<td>Communication</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
</tr>
<tr>
<td>COMM 203 Public Speaking</td>
<td></td>
</tr>
<tr>
<td>COMM 243 Argumentation and Debate</td>
<td></td>
</tr>
<tr>
<td>ENGL 104 Composition and Rhetoric</td>
<td></td>
</tr>
<tr>
<td>Life and physical sciences</td>
<td>3</td>
</tr>
<tr>
<td>Social and behavioral science</td>
<td>3</td>
</tr>
</tbody>
</table>

Spring

<table>
<thead>
<tr>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 142 Business Mathematics II</td>
</tr>
<tr>
<td>American history</td>
</tr>
<tr>
<td>Language, philosophy and culture</td>
</tr>
<tr>
<td>Life and physical sciences</td>
</tr>
</tbody>
</table>

Second Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 229 Introductory Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ECON 203 Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>ISYS 210 Fundamentals of Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>POLS 208 American National Government</td>
<td>3</td>
</tr>
<tr>
<td>Communication</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
</tr>
<tr>
<td>COMM 203 Public Speaking</td>
<td></td>
</tr>
<tr>
<td>COMM 243 Argumentation and Debate</td>
<td></td>
</tr>
<tr>
<td>ENGL 104 Composition and Rhetoric</td>
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</table>
### Management Information Systems Program

#### Third Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>ISYS 281</td>
<td>Professional Development Information Systems Seminar</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>ISYS 300/SCMT 360</td>
<td>Business Communications</td>
<td>4</td>
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<tr>
<td></td>
<td>ISYS 310</td>
<td>Network Communications and Infrastructure</td>
<td>3</td>
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<tr>
<td></td>
<td>ISYS 320</td>
<td>Business Systems Analysis and Design</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>SCMT 303</td>
<td>Statistical Methods</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>SCMT 364</td>
<td>Operations Management</td>
<td>3</td>
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<tr>
<td></td>
<td><strong>Term Semester Credit Hours</strong></td>
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<td><strong>14</strong></td>
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<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>Spring</td>
<td>ISYS 315</td>
<td>Database Programming</td>
<td>3</td>
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<tr>
<td></td>
<td>ISYS 400/SCMT 400</td>
<td>Business Communications</td>
<td>4</td>
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<td></td>
<td>ISYS 410</td>
<td>Management of Information Systems</td>
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<tr>
<td></td>
<td>ISYS 481</td>
<td>Information Systems Seminar</td>
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<tr>
<td></td>
<td>MKTG 321</td>
<td>Marketing</td>
<td>3</td>
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<td></td>
<td><strong>International elective</strong></td>
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<td></td>
<td><strong>Term Semester Credit Hours</strong></td>
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#### Fourth Year

<table>
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<th>Course Code</th>
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<tbody>
<tr>
<td>Fall</td>
<td>FINC 341</td>
<td>Business Finance</td>
<td>3</td>
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<td></td>
<td>ISYS 415</td>
<td>Information Systems Capstone Project</td>
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<tr>
<td></td>
<td>ISYS 481</td>
<td>Information Systems Seminar</td>
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<tr>
<td></td>
<td>MGMT 363</td>
<td>Managing People in Organizations</td>
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<td></td>
<td>MISY Directed elective</td>
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</tr>
<tr>
<td></td>
<td><strong>General elective</strong></td>
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<td></td>
<td><strong>Term Semester Credit Hours</strong></td>
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<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>Spring</td>
<td>MGMT 466</td>
<td>Strategic Management</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MISY Directed elective</td>
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</tr>
<tr>
<td></td>
<td>Creative arts</td>
<td></td>
<td>3</td>
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<td></td>
<td><strong>General elective</strong></td>
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</tr>
<tr>
<td></td>
<td><strong>International elective</strong></td>
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<td>3</td>
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<tr>
<td></td>
<td><strong>Term Semester Credit Hours</strong></td>
<td></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

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1. MATH 131, MATH 151 and MATH 171 will be accepted in lieu of MATH 142. MATH 152, MATH 166 and MATH 172 will be accepted in lieu of MATH 141.
2. For those students under ROTC contract, see Requirement 7 of the "Requirements for a Baccalaureate Degree".
3. Management Information Systems: BUAD students intending to major in Management Information Systems must add ISYS 250 Business Programming Logic and Design (3 credits) to the sophomore year curriculum in Business (lower level). The creative arts elective or a communication elective can be taken during the junior or senior year.

You may contact the Undergraduate Program Office, Room 238, Wehner Building, for a list of acceptable courses.

Business Honors: BUAD students admitted to Business Honors must add (1) BUSN 125 Business Learning Community I (3 credits) to the freshman year curriculum and (2) BUSN 205 Integrated Worklife Competencies (3 credits) to the sophomore year curriculum in Business (lower level).
CHANGE IN CURRICULUM
MAYS BUSINESS SCHOOL
DEPARTMENT OF INFORMATION AND OPERATIONS MANAGEMENT
BBA IN SUPPLY CHAIN MANAGEMENT
Texas A&M University
Request for a Change in Curriculum
Undergraduate • Graduate • Professional

1. Program request type: 🗝️Undergraduate ☐Graduate ☐First Professional (ex. DVM, JD, MD, etc.)

2. Request change for: 🗝️Degree Program ☐Minor ☐Certificate

3. Request submitted by (Department or Program Name):

Program Designation and Name:
(e.g., B.A. in History, Minor in History, Certificate in European Union):

Information and Operations Management
BBA - Supply Chain Management

4. Brief description of change:
We would like to remove SCMT 400 from the Major Coursework area and add the credit to the General Elective area.

5. Rationale for change:
SCMT 300 and SCMT 400 currently fulfill the University Writing Requirement for BBA-SCMT students. Students will now fulfill this requirement with MKTG 321 (a core business course required of all BBA students) and SCMT 300. Thus, SCMT 400 is no longer needed. MKTG 321 holds the UCR attribute, and SCMT 300 holds the UWRT attribute.

Use the checkboxes below to make sure that all information is included.

7. a. Proposed curriculum attached. 🗝️Yes ☐No
    b. Current catalog curriculum with handwritten edits attached. 🗝️Yes ☐No
    c. Current Howdy degree evaluation with handwritten edits attached. 🗝️Yes ☐No

Please make sure the attached proposed curriculum, catalog and Howdy degree evaluation match.

8. a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes? ☐Yes 🗝️No
    b. If yes, degree program hours will change from: ________ to: ________
    c. If yes, is the Texas Higher Education Coordinating Board form attached? ☐Yes ☐No

http://www.theeb.state.tx.us/index.cfm?objectid=A0F9F7FA-9A92-4F11-2756AD3BBFF01D60

9. If proposed changes affect other unit(s), are letters of support attached? ☐Yes ☐No

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UCC/GC, January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:
Rich Metters
Department Head of Program Chair (Type Name & Sign) Date

Martha Lounder
Dean of College Date

Michelle Diaz
Chair, College Review Committee Date

Chair, GC or UCC Date

Questions regarding this form should be directed to Curricular Services at 845-8201 or sandra-williams@tamu.edu
Curricular Services – 04/14
Supply Chain Management - BBA

The Supply Chain Management major prepares students for careers in designing and managing the activities that deliver products and services to customers. Supply chain activities add direct value to the customer and thus, are extremely valuable to firms. This major produces graduates with strong analytical and problem-solving skills and the ability to work in and coordinate team activities. Graduates possess the business, technical, and leadership skills needed to meet the challenges of the rapidly evolving global marketplace.

Upper-level Entry Requirements and Application Procedures

Students who meet the University and college entrance requirements enter Mays Business School in the BUAD (lower-level business) classification. Enrollment of Mays Business School students in junior- and senior-level business courses is limited to those who have been admitted to upper-level (also referred to as upper division) in one of the seven majors (B.B.A.: accounting, business honors, finance, management, management information systems, marketing, and supply chain management) in the college.

The B.B.A. (accounting, business honors, finance, management, management information systems, marketing, and supply chain management) upper-level entry requirements and application procedures are as follows:

1. To be admitted to an upper-level major, a student must be admitted to Mays Business School and must have:
   a. Satisfactorily completed the following five courses:
      
      | Course Code | Course Title                  | Credit Hours |
      |-------------|--------------------------------|--------------|
      | ACCT 229    | Introductory Accounting        | 3            |
      | ECON 202    | Principles of Economics        | 3            |
      | ECON 203    | Principles of Economics        | 3            |
      | MATH 141    | Business Mathematics I (or its equivalent) | 3 |
      | MATH 142    | Business Mathematics II (or its equivalent) | 3 |

   b. BUAD students apply for upper level no later than the last class day of the semester before they expect to enter upper level. To enter upper level in the summer, all requirements must be completed by the beginning of the first summer session.

   c. Unless satisfactorily completed prior to upper-level entry, business students must successfully complete these three remaining lower-level Common Body of Knowledge (CBK) courses at Texas A&M during their first upper-level semester:
      
      | Course Code | Course Title                  |
      |-------------|--------------------------------|
      | ACCT 230    | Introductory Accounting        |
      | ISYS 210    | Fundamentals of Information Systems |
      | MGMT 211    | Legal and Social Environment of Business |

   d. Students are encouraged to complete the freshman and sophomore sequence of courses as listed under Curriculum in Business. BUAD students may pre-register for upper-level business courses in the semester for which they have applied for upper level. However, BUAD students who fail to complete upper-level requirements prior to the start of the semester shall not be permitted to remain registered in upper-level business classes.

2. Transfer students: Transfer students admitted to Mays Business School will be classified as BUAD (lower-level Business) students until they complete all requirements listed previously in item 1, at which time they may apply for admission to an upper-level major field of study. Transfer students may immediately apply for upper-level when admitted to Mays Business School if, and only if, they meet all upper-level requirements at that time.

3. Change of curriculum students: Texas A&M students who change curriculum into Mays Business School from another college or department at the University will be classified as BUAD (lower-level Business) students until they complete all requirements listed previously in item 1. Change of curriculum students who, when admitted to the business school, qualify to apply for admission to upper level may do so.

4. Preference for available seats in junior- and senior-level business courses will be given to students who have been admitted to a degree granting major in Mays Business School. All ineligible students who pre-register for upper-level business classes are subject to cancellation of their registration in these courses.

Program Requirements

Lower-Level Business Program

First Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td></td>
</tr>
<tr>
<td>MATH 141</td>
<td>Business Mathematics I 1</td>
</tr>
<tr>
<td>American history 2</td>
<td>3</td>
</tr>
<tr>
<td>Communication</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
</tr>
<tr>
<td>COMM 203</td>
<td>Public Speaking</td>
</tr>
<tr>
<td>COMM 243</td>
<td>Argumentation and Debate</td>
</tr>
<tr>
<td>ENGL 104</td>
<td>Composition and Rhetoric</td>
</tr>
<tr>
<td>Life and physical sciences</td>
<td>3</td>
</tr>
<tr>
<td>Social and behavioral sciences</td>
<td>3</td>
</tr>
<tr>
<td><strong>Term Semester Credit Hours</strong></td>
<td>15</td>
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<table>
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<th>Semester</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>Spring</td>
<td></td>
</tr>
<tr>
<td>ECON 202</td>
<td>Principles of Economics</td>
</tr>
<tr>
<td>MATH 142</td>
<td>Business Mathematics II 1</td>
</tr>
<tr>
<td>American history 2</td>
<td>3</td>
</tr>
<tr>
<td>Language, philosophy and culture</td>
<td>3</td>
</tr>
<tr>
<td>Life and physical sciences</td>
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<td><strong>Term Semester Credit Hours</strong></td>
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Second Year

<table>
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<tr>
<td>Fall</td>
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</tr>
<tr>
<td>ACCT 229</td>
<td>Introductory Accounting</td>
</tr>
<tr>
<td>ECON 203</td>
<td>Principles of Economics</td>
</tr>
<tr>
<td>ISYS 210</td>
<td>Fundamentals of Information Systems</td>
</tr>
<tr>
<td>POLS 206</td>
<td>American National Government 2</td>
</tr>
<tr>
<td>Communication</td>
<td>3</td>
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<tr>
<td>Select one of the following:</td>
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</tr>
<tr>
<td>COMM 203</td>
<td>Public Speaking</td>
</tr>
<tr>
<td>COMM 243</td>
<td>Argumentation and Debate</td>
</tr>
</tbody>
</table>
Supply Chain Management - BBA

ENGL 104 Composition and Rhetoric 15

Spring
ACCT 230 Introductory Accounting 3
MGMT 211 Legal and Social Environment of Business 3
POL 207 State and Local Government 2 3
Creative arts 3
Life and physical sciences 3

Term Semester Credit Hours 15

Total Semester Credit Hours: 60

1 MATH 131, MATH 151 and MATH 171 will be accepted in lieu of MATH 142. MATH 152, MATH 166 and MATH 172 will be accepted in lieu of MATH 141.

2 For those students under ROTC contract, see Requirement 7 of the "Requirements for a Baccalaureate Degree".

Management Information Systems: BUAD students intending to major in Management Information Systems must add ISYS 250 Business Programming Logic and Design (3 credits) to sophomore year curriculum in Business (lower level). The creative arts elective or a communication elective can be taken during the junior year.

Business Honors: BUAD students admitted to Business Honors must add (1) BUSN 125 Business Learning Community I (3 credits) to the freshman year curriculum and (2) BUSN 205 Integrated Worklife Competencies (3 credits) to the sophomore year curriculum in Business (lower level). The creative arts elective and a communication elective can be taken during the junior year.

Upper-Level Supply Chain Management Program

Third Year
Fall Semester Credit Hours

MGMT 363 Managing People in Organizations 3
MKTG 321 Marketing 3
SCMT 303 Statistical Methods 3
SCMT 364 Operations Management 3
General elective 1 3

Term Semester Credit Hours 15

Spring
FINC 341 Business Finance 3
SCMT 340 Supply Chain Management 3
SCMT 361 Operations Planning and Control 3
SCMT Directed elective 2 3
General elective 1 3
International elective 3 3

Term Semester Credit Hours 15

Fourth Year
Fall

SCMT 300/ISYS 300 Business Communications 4 1
SCMT 335 Sourcing and Procurement 3

SCMT 345 Business Process Design 3
SCMT 400/ISYS 400 Business Communication II 1
SCMT Directed elective 2 3
General elective 1 4

Term Semester Credit Hours 15

Total Semester Credit Hours: 60

1 Elective courses are open to any course offered for University credit, except ACCT 209, ACCT 210, FINC 409, IBUS 301, ISYS 209, KINE 198, MGMT 209, MGMT 309, MKTG 409, SCMT 309. Additional restrictions may apply: see academic advisor for information. May be taken on a satisfactory/unsatisfactory basis.

2 Select in consultation with an information and operations management academic advisor. A list of acceptable courses is available in the Undergraduate Program Office, Room 238, Wehner Building, or in the department academic advising office.

3 A complete list of approved courses is available in the Undergraduate Program Office, 238 Wehner Building. The six required hours simultaneously fulfill the University's International and Cultural Diversity Graduation requirement.

4 This course is an approved writing-designated (W) or oral communication (C) business course. See your academic advisor for additional information.
Detail Requirements

Information for Degree Evaluation

This is NOT an official evaluation.

Program Evaluation

Limitation Correspondence: No more than 12 hours of correspondence earned through an accredited institution may be used for an undergraduate degree.

Limitation Combination: Maximum combination of 18 hours of 481, 482, 485 and/or 491 courses may be used for an undergraduate degree.

Limitation Combination: Maximum combination of 3 hours of SCMT 485, SCMT 489, or BUSN 401 with advisor approval.

Limitation Mathematics: No more than one course may be used from Math 141, 152, 166 or 172 in this degree plan.

Limitation Mathematics: Only one course may be used from Math 131, 142, 151 or 171 in this degree plan.

Program: BBA SCMT

Catalog Term: Fall 2015 - College Station

Evaluation Term: Fall 2015 - College Station

Expected Graduation Date: Request Number:

Results as of: November 04, 2015

Minors:

Concentrations:

<table>
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<td>Overall GPA</td>
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</table>

This is NOT an official evaluation.

Area: Major Coursework (26.000 credits) - Not Met

Met Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Courses

No A. SCMT 335
No AND B. SCMT 340
No AND C. SCMT 345
No AND D. SCMT 361
No AND E. SCMT 465
No AND F. SCMT 300
No AND G. SCMT 400
No AND H. Directed Electives 3hrs
Select from ISYS 250, 310, 315, 320, 325, 410, 415, 420, 425, 450, 460, 465, 489; SCMT 336, 375, 380, 468, 485, 489.
No AND I. Directed Electives 6hrs

Total Credits and GPA 0.000

https://compass-ssb.tamu.edu/pls/PROD/bwckcapp.P_VerifyDispEvalViewOption

11/4/2015
unofficial evaluation

<table>
<thead>
<tr>
<th>No</th>
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<th>International Electives 6hrs</th>
</tr>
</thead>
</table>

Total Credits and GPA 0.000

unofficial evaluation

Area: Common Body of Knowledge (CBK) (36.000 credits) - Not Met

Description: CBK GPA Rqmt: A minimum GPA of 2.00. Transfer grades are not calculated in GPA requirement for CBK.

<table>
<thead>
<tr>
<th>No</th>
<th>A.</th>
<th>ACCT 229</th>
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<td>B.</td>
</tr>
<tr>
<td>No</td>
<td>AND</td>
<td>C.</td>
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<tr>
<td>No</td>
<td>AND</td>
<td>D.</td>
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<tr>
<td>No</td>
<td>AND</td>
<td>E.</td>
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<tr>
<td>No</td>
<td>AND</td>
<td>F.</td>
</tr>
<tr>
<td>No</td>
<td>AND</td>
<td>G.</td>
</tr>
<tr>
<td>No</td>
<td>AND</td>
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<tr>
<td>No</td>
<td>AND</td>
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<td>AND</td>
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<tr>
<td>No</td>
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<td>K.</td>
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<td>AND</td>
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Total Credits and GPA

unofficial evaluation

Area: Communication (6.000 credits) - Not Met

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<th>Communication Rqmt 6hrs</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>Select from ENGL 104; COMM 203, 205, 243</td>
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Total Credits and GPA 0.000

unofficial evaluation

https://compass-ssb.tamu.edu/pls/PROD/bwckapp.P_VerifyDispEvalViewOption

11/4/2015
Detail Requirements

Area: Mathematics (6,000 credits) - Not Met

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<th>Term Subject</th>
<th>Course Title</th>
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<td>MATH 141</td>
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unofficial evaluation

Area: Life and Physical Sciences (9,000 credits) - Not Met

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<th>Low High</th>
<th>Required</th>
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<th>Term Subject</th>
<th>Course Title</th>
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<th>Credits</th>
<th>Courses</th>
<th>Total Credits and GPA</th>
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<td>Life, Physical Sciences 9hrs</td>
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<td>Select 9 hours from any courses with the Life and Physical Sciences attribute [KLPS].</td>
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unofficial evaluation

Area: Language, Philosophy & Culture (3,000 credits) - Not Met

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<th>Subject</th>
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<th>Low High</th>
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<th>Course Title</th>
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<th>Credits</th>
<th>Courses</th>
<th>Total Credits and GPA</th>
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</thead>
<tbody>
<tr>
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<td></td>
<td></td>
<td>A.</td>
<td>Lang, Phil, Culture Rqmt 3hrs</td>
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<tr>
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<td>Select any course with the Language, Philosophy and Culture attribute [KLPC].</td>
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unofficial evaluation

Area: Creative Arts (3,000 credits) - Not Met

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<tr>
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<td>Select three hours from any course with the Creative Arts attribute [KCRA].</td>
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unofficial evaluation

Area: Social and Behavioral Sciences (3,000 credits) - Not Met

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<th>Condition</th>
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<th>Subject</th>
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<tr>
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<td></td>
<td>A.</td>
<td>Social Science Rqmt 3hrs</td>
<td></td>
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<td></td>
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<td>Select from courses with the Social and Behavioral Science attribute [KSOC].</td>
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</table>

unofficial evaluation

### Detail Requirements

**Area**: Citizenship (12,000 credits) - Not Met

**Description**: Completion of 4 semesters of Upper-Level ROTC may be substituted for 3 hours of American History and 3 hours of Political Science.

**Met**: Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute C Credits Courses

<table>
<thead>
<tr>
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<th></th>
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<tbody>
<tr>
<td>No</td>
<td>American History Reqnt 6hrs</td>
<td>Select from any course with the [KHIS] attribute.</td>
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<tr>
<td>No</td>
<td>AND</td>
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</tr>
</tbody>
</table>

Total Credits and GPA

unofficial evaluation

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**Area**: General Electives (10,000 credits) - Not Met

**Met**: Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Courses

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<tr>
<td>No</td>
<td>Electives 10hrs</td>
<td>Select from any 100-499 course not used elsewhere (except ACCT 209-216; FINC 409; IBUS 301; ISYS 209; KINE 198; MGMT 209, 309; MKTG 409; SABR 300-399; SCMT 309)</td>
</tr>
</tbody>
</table>

Total Credits and GPA 0.000

unofficial evaluation

---

**Area**: Work Not Applied - Met

**Description**: See advisor for acceptable substitutions.

**Met**: Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute C Credits Courses

<table>
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<th></th>
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<td>No</td>
<td>Courses not applied</td>
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</table>

Total Credits and GPA

unofficial evaluation

---

**Area**: University Writing Requirement - Not Met

**Met**: Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Courses

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<tbody>
<tr>
<td>No</td>
<td>Writing Requirement</td>
<td>Two courses required. Only sections of SCMT 300 with the Writing attribute [UWRT] and SCMT 460 with the Oral Communication attribute [UCRT] may be used to satisfy this requirement.</td>
</tr>
</tbody>
</table>

Total Credits and GPA 0.000

unofficial evaluation

---

**Area**: Int’l & Cult Diversity - Not Met

**Met**: Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Courses

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>No</td>
<td>Int’l &amp; Cultural Diversity 6hr</td>
<td>Select from courses with the International and Cultural Diversity attribute [UCID] (except sections of BUSN 289 with the UWRT attribute).</td>
</tr>
</tbody>
</table>

unofficial evaluation
unofficial evaluation

Area: Foreign Language - Not Met
Met Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Courses
No A. Foreign Language Rqmt
   Complete one of the following:
   1. Two years of the same foreign language in High School.
   2. A two semester sequence of the same foreign language for University credit.
   Total Credits and GPA 0.000

unofficial evaluation

Area: Residence Requirement - Not Met
Description: A minimum of 36 hours of 300-400 level coursework must be completed at Texas A&M University. 12 hours must be in the major field
Met Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Courses
No A. Residence - Major 12hrs
   Select 12hrs from ISYS 300-499; SCMT 300-499 (Exclude SCMT 309). Courses must be completed at Texas A&M University.
No AND B. Residence Rqmt 300-499 24hrs
   Select 24hrs from any 300-400 level course at Texas A&M University. (except IBUS 301; SABR 300-399).
   Total Credits and GPA

unofficial evaluation

Area: GPR-Major - Not Met
Description: Minimum GPA Rqmt A minimum GPA of 2.000 must be maintained in all major field courses.
Met Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Courses
No A. Major GPA 26+hrs
   Includes ACCT 329, 427, 447; FINC 447; ISYS 250, 310, 315, 320, 325, 410, 415, 420, 425, 450, 460, 485, 489; MGMT 212, 422, 439, 460, 461; MKTG 322, 442; SCMT 200-499 (exclude SCMT 309).
   Total Credits and GPA

unofficial evaluation

Back to Display Options

Print

CHANGE IN CURRICULUM

COLLEGE OF EDUCATION AND HUMAN DEVELOPMENT
DEPARTMENT OF HEALTH AND KINESIOLOGY
BS IN HEALTH - ALLIED HEALTH TRACK
Texas A&M University
Request for a Change in Curriculum
Undergraduate + Graduate + Professional

1. Program request type:  ☑ Undergraduate  ☐ Graduate  ☐ First Professional (e.g., DVM, JD, MD, etc.)

2. Request change for:
   ☑ Degree Program  ☐ Minor  ☐ Certificate

3. Request submitted by (Department or Program Name):
   Health and Kinesiology

4. Program Designation and Name
   (e.g., B.A. in History, Minor in History, Certificate in European Union):
   BS-HLTH-AHO

5. Brief description of change: Directed Electives will now be listed in catalog and on degree audit.

6. Rationale for change: Directed electives were not listed in the catalog or on degree audit before. This change is to eliminate a considerable amount of work on the part of advisors in submitting adjustments for each student.

Use the checkboxes below to make sure that all information is included.

7. a. Proposed curriculum attached.  ☑ Yes  ☐ No
   b. Current catalog curriculum with handwritten edits attached.  ☑ Yes  ☐ No
   c. Current Howdy degree evaluation with handwritten edits attached.  ☑ Yes  ☐ No

   Please make sure the attached proposed curriculum, catalog and Howdy degree evaluation match.

8. a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes?  ☐ Yes  ☑ No
   b. If yes, degree program hours will change from: _____ to: _____
   ☐ Yes  ☐ No
   c. If yes, is the Texas Higher Education Coordinating Board form attached?
   http://www.thecb.state.tx.us/index.cfm?objectid=A0F9F7FA-9A92-4F11-2756AD3BBFF01D60  ☑ Yes  ☐ No

9. If proposed changes affect other unit(s), are letters of support attached?  ☑ Yes  ☐ No

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UCC/GC, January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:

Richard Kreider  
Department Head or Program Chair (Print Name & Sign)  Date

Chris Cherry  
Dean of College  Date

Tim Scott  
Chair, GC or UCC  Date

Questions regarding this form should be directed to Curricular Services at 845-8201 or sandra-williams@tamu.edu.
Curricular Services – 04/14
BS in Health – Allied Health Option  
Department of Health and Kinesiology

**Major Coursework**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<td>KINE 199</td>
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</tr>
<tr>
<td>B.</td>
<td>HLTH 210 Introduction to the Discipline</td>
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<tr>
<td>C.</td>
<td>HLTH 216 First Aid</td>
<td>2.0</td>
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<tr>
<td>D.</td>
<td>HLTH 231 Health Lifestyles</td>
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</tr>
<tr>
<td>E.</td>
<td>HLTH 236* Race, Ethnicity and Health</td>
<td>3.0</td>
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<tr>
<td>F.</td>
<td>HLTH 240, INFO 209, INFO 210, or KINE 240.</td>
<td>3.0</td>
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<td>G.</td>
<td>HLTH 331 Community Health</td>
<td>3.0</td>
</tr>
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<td>H.</td>
<td>HLTH 342 Human Sexuality</td>
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</tr>
<tr>
<td>I.</td>
<td>HLTH 354 Medical Terminology for the Health Professions</td>
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<td>J.</td>
<td>HLTH 403 Consumer Health</td>
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<td>K.</td>
<td>HLTH 410 Exercise and Health Programs in the Workplace</td>
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<td>L.</td>
<td>HLTH 429 Environmental Health</td>
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<td>M.</td>
<td>HLTH 481# Seminar in Allied Health</td>
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<tr>
<td>N.</td>
<td>HLTH 335 Human Diseases</td>
<td>3.0</td>
</tr>
<tr>
<td>O.</td>
<td>HLTH 353 Drugs and Society</td>
<td>3.0</td>
</tr>
<tr>
<td>P.</td>
<td>HLTH 407 Global Health</td>
<td>3.0</td>
</tr>
<tr>
<td>Q.</td>
<td>HLTH 482# Grant Writing in Health</td>
<td>1.0</td>
</tr>
<tr>
<td>R.</td>
<td>HLTH 445 Professional Practice in Health Education</td>
<td>2.0</td>
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</table>

**Total Major Coursework Credit**: 46.0

**Supporting Coursework**

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>A.</td>
<td>SOCI 205 Introduction to Sociology</td>
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</tr>
<tr>
<td>B.</td>
<td>STAT 302 Statistical Methods</td>
<td>3.0</td>
</tr>
<tr>
<td>C.</td>
<td>Directed Electives - To be chosen in consultation with academic advisor.</td>
<td>12.0</td>
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BICH 303 Elements of Biological Chemistry  
BICH 410 Comprehensive Biochemistry I  
BIOL 112 Introductory Biology II  
BIOL 206 Introductory Microbiology  
BIOL 351 Fundamentals of Microbiology  
CHEM 102 Fundamentals of Chemistry  
CHEM 112 Fundamentals of Chemistry Laboratory II  
CHEM 227 Organic Chemistry I  
CHEM 237 Organic Chemistry Laboratory  
CHEM 228 Organic Chemistry II  
CHEM 238 Organic Chemistry Laboratory  
GENE 301 Comprehensive Genetics  
GENE 312 Comprehensive Genetics Laboratory  
GENE 302 Principles of Genetics  
GENE 310 Principles of Heredity  
NUTR 202 Fundamentals of Human Nutrition  
PHIL 111 Contemporary Moral Issues  
PHIL 251 Introduction to Philosophy
<table>
<thead>
<tr>
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<th>Credits</th>
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<tbody>
<tr>
<td>PHYS 201</td>
<td>College Physics</td>
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</tr>
<tr>
<td>PHYS 202</td>
<td>College Physics</td>
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</tr>
<tr>
<td>PSYC 306</td>
<td>Abnormal Psychology</td>
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<td>PSYC 307</td>
<td>Developmental Psychology</td>
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<td>PSYC 335</td>
<td>Physiological Psychology</td>
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**Communication**

<table>
<thead>
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<tbody>
<tr>
<td>A.</td>
<td>ENGL 104</td>
<td>Composition and Rhetoric</td>
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<td>COMM 203</td>
<td>Public Speaking OR</td>
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<td>COMM 205</td>
<td>Communication for Technical Professions</td>
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**Mathematics**

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<tbody>
<tr>
<td>A.</td>
<td>MATH 141</td>
<td>Business Mathematics I OR</td>
</tr>
<tr>
<td></td>
<td>MATH 148</td>
<td>Calculus II for Biological Sciences OR</td>
</tr>
<tr>
<td></td>
<td>MATH 152</td>
<td>Engineering Mathematics II OR</td>
</tr>
<tr>
<td></td>
<td>MATH 166</td>
<td>Topics in Contemporary Mathematics II OR</td>
</tr>
<tr>
<td></td>
<td>MATH 172</td>
<td>Calculus</td>
</tr>
<tr>
<td>B.</td>
<td>MATH 131</td>
<td>Mathematical Concepts – Calculus OR</td>
</tr>
<tr>
<td></td>
<td>MATH 142</td>
<td>Business Mathematics II OR</td>
</tr>
<tr>
<td></td>
<td>MATH 147</td>
<td>Calculus II for Biological Sciences OR</td>
</tr>
<tr>
<td></td>
<td>MATH 151</td>
<td>Engineering Mathematics II OR</td>
</tr>
<tr>
<td></td>
<td>MATH 171</td>
<td>Analytic Geometry and Calculus</td>
</tr>
<tr>
<td></td>
<td>PHIL 240</td>
<td>Introduction to Logic</td>
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**Life and Physical Sciences**

<table>
<thead>
<tr>
<th>Option</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>A.</td>
<td>BIOL 111</td>
<td>Introductory Biology I OR</td>
</tr>
<tr>
<td></td>
<td>BIOL 107</td>
<td>Zoology</td>
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<tr>
<td>B.</td>
<td>CHEM 101</td>
<td>Fundamentals of Chemistry I (4hrs) OR</td>
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<tr>
<td></td>
<td>CHEM 101/111</td>
<td>Fundamentals of Chemistry (3/1 hrs) OR</td>
</tr>
<tr>
<td></td>
<td>CHEM 107/117</td>
<td>General Chemistry for Engineers (3/1 hrs) OR</td>
</tr>
<tr>
<td>C.</td>
<td>KINE 120</td>
<td>The Science of Basic Health and Fitness</td>
</tr>
<tr>
<td>D.</td>
<td>BIOL 319</td>
<td>Integrated Human Anatomy and Physiology I</td>
</tr>
<tr>
<td>E.</td>
<td>BIOL 320</td>
<td>Integrated Human Anatomy and Physiology II</td>
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<td>Total</td>
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**Language, Philosophy and Culture**

<table>
<thead>
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<th>Credits</th>
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<tbody>
<tr>
<td>A.</td>
<td>PHIL 111</td>
<td>Contemporary Moral Issues OR</td>
</tr>
<tr>
<td></td>
<td>PHIL 251</td>
<td>Introduction to Philosophy OR</td>
</tr>
<tr>
<td></td>
<td>SPMT 220*</td>
<td>Olympic Studies</td>
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<tr>
<td>Total</td>
<td>Language, Philosophy and Culture Credits</td>
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</table>
Creative Arts
   A. DCED 202* Dance Appreciation
   B. KINE 311 Fundamentals of Rhythm and Dance
Total Creative Arts Credits 3.0

Social and Behavioral Science
   A. PSYC 107 Introduction to Psychology
Total Social and Behavior Science Credits 3.0

American History
   A. Any 6 hours that meet American History Core Curriculum requirement
Total American History Credits 6.0

Government/Political Science
   A. POLS 206 American National Government
   B. POLS 207 State and Local Government
Total Government/Political Science Credits 6.0

*These courses meet International and Cultural Diversity graduation requirement.
#These courses meet the University Writing/Communication requirement.
# Health - BS, Allied Health Track

The goals of the curriculum leading to a Bachelor of Science in Health are to more effectively develop literate, informed professionals capable of making the world healthier and more humane. Students receive a general education through a broad exposure to information. They also receive a specialized education through coursework designed to help them develop as a professional, expand their knowledge and skills related to health education and prepare them for professional practice. The curriculum in health offers two options: the Allied Health track and the School Health track.

The Allied Health concentration gives students a strong background in health that serves them well if they choose to pursue additional schooling in an allied health area. This concentration provides an opportunity for students to take prerequisite courses for professional allied health schools as electives while receiving a background in the health education field. Students select electives from a list of prerequisites for specific professional schools.

This program consists of two phases: pre-professional phase and professional phase. Students must meet program prerequisite requirements in order to advance to professional phase.

## Program Requirements

This degree plan has been laid out showing students the number of hours they must take each semester in order to complete the degree in four years without attending summer school. This is a suggested plan and does not have to be followed as laid out below. Students should use this information in conjunction with advising documents available from their advisor or the department website when scheduling courses each semester to ensure they are meeting all prerequisites, taking courses for admission to professional phase in a timely manner and meeting all grade requirements.

### First Year

#### Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ENGL 103 or ENGL 104</td>
<td>Composition or Rhetoric</td>
<td>3</td>
</tr>
<tr>
<td>Please select one of the following:</td>
<td></td>
<td>3-4</td>
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<tr>
<td>MATH 141</td>
<td>Business Mathematics I</td>
<td></td>
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<tr>
<td>MATH 148</td>
<td>Calculus II for Biological Sciences</td>
<td></td>
</tr>
<tr>
<td>MATH 152</td>
<td>Engineering Mathematics II</td>
<td></td>
</tr>
<tr>
<td>MATH 166</td>
<td>Topics in Contemporary Mathematics II</td>
<td></td>
</tr>
<tr>
<td>MATH 172</td>
<td>Calculus</td>
<td></td>
</tr>
<tr>
<td>BIOL 107</td>
<td>Zoology</td>
<td>4</td>
</tr>
<tr>
<td>American history elective $^{1,2}$</td>
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</tr>
<tr>
<td>Creative arts elective $^{1,2}$</td>
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**Term Semester Credit Hours**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td></td>
<td>16</td>
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#### Spring

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
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<tr>
<td>COMM 203</td>
<td>Public Speaking</td>
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<td>COMM 205</td>
<td>Communication for Technical Professions</td>
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<tr>
<td>Select one of the following:</td>
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<td>3-4</td>
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<td>MATH 131</td>
<td>Mathematical Concepts-Calculus</td>
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**Term Semester Credit Hours**

<table>
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<th>Course</th>
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<tbody>
<tr>
<td></td>
<td>16</td>
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</table>

### Second Year

#### Fall

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>BIOL 319</td>
<td>Integrated Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>KINE 120</td>
<td>The Science of Basic Health and Fitness</td>
<td>1</td>
</tr>
<tr>
<td>POLS 206</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 107</td>
<td>Introduction to Psychology</td>
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<td>HLTH 231</td>
<td>Healthy Lifestyles</td>
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<td>KINE 199</td>
<td>Required Physical Activity</td>
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**Term Semester Credit Hours**

<table>
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<tbody>
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### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BIOL 320</td>
<td>Integrated Human Anatomy and Physiology II</td>
<td>4</td>
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<tr>
<td>HLTH 216</td>
<td>First Aid</td>
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<td>HLTH 240 KINF 240</td>
<td>Computer Technology in Health and Kinesiology</td>
<td>3</td>
</tr>
<tr>
<td>POLS 207</td>
<td>State and Local Government</td>
<td>3</td>
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<tr>
<td>Language, philosophy and culture elective $^{1,2}$</td>
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**Term Semester Credit Hours**

<table>
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<th>Course</th>
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<tr>
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### Third Year

#### Fall

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>HLTH 236</td>
<td>Race, Ethnicity and Health $^3$</td>
<td>3</td>
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<tr>
<td>HLTH 331</td>
<td>Community Health</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 342</td>
<td>Human Sexuality</td>
<td>3</td>
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<tr>
<td>HLTH 481</td>
<td>Seminar in Allied Health $^4$</td>
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<td>SOCI 205</td>
<td>Introduction to Sociology</td>
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<tr>
<td>Free Elective</td>
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**Term Semester Credit Hours**

<table>
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<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
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#### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>HLTH 335</td>
<td>Human Diseases</td>
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</tr>
<tr>
<td>HLTH 354</td>
<td>Medical Terminology for the Health Professions</td>
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<td>HLTH 407</td>
<td>Global Health</td>
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<td>Select one of the following:</td>
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<tr>
<td>STAT 301</td>
<td>Introduction to Biometry</td>
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<td>STAT 302</td>
<td>Statistical Methods</td>
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<tr>
<td>STAT 303</td>
<td>Statistical Methods</td>
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**Term Semester Credit Hours**

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<th>Credits</th>
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### Free Elective

| Term Semester Credit Hours | 3 |

#### Fourth Year

**Fall**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>HLTH 353</td>
<td>Drugs and Society</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 403</td>
<td>Consumer Health</td>
<td>3</td>
</tr>
<tr>
<td>HLTH 482</td>
<td>Grant Writing in Health(^4)</td>
<td>1</td>
</tr>
<tr>
<td>Professional Development Elective (^5)</td>
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<tr>
<td>Professional Development Elective (^5)</td>
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| Term Semester Credit Hours | 13 |

#### Spring

<table>
<thead>
<tr>
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<th>Course Title</th>
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<tbody>
<tr>
<td>HLTH 410</td>
<td>Exercise and Health Programs in the Workplace</td>
<td>3</td>
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<tr>
<td>HLTH 429</td>
<td>Environmental Health</td>
<td>3</td>
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<tr>
<td>HLTH 445</td>
<td>Professional Practice in Health Education</td>
<td>2</td>
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<tr>
<td>Professional Development Elective (^5)</td>
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<tr>
<td>Professional Development Elective (^5)</td>
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</table>

| Term Semester Credit Hours | 14 |

| Total Semester Credit Hours: | 120 |

---

1. Must meet Core Curriculum requirements.
2. Course selection should meet the International and Cultural Diversity graduation requirement, if needed.
3. Course meets International and Cultural Diversity graduation requirement.
5. To be chosen in consultation with your academic advisor.

---

*See list from degree evaluation edits. Add courses to footnote 5.*
Information for Degree Evaluation

This is NOT an official evaluation.

**Program Evaluation**

Limitation: Correspondence: No more than 12 hours of correspondence earned through an accredited institution may be used for an undergraduate degree.

Limitation: Combined: Maximum combination of 18 hours of 481, 482, 485 and/or 491 courses may be used for an undergraduate degree.

<table>
<thead>
<tr>
<th>Program</th>
<th>BS HLTH-Allied Health</th>
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<tbody>
<tr>
<td>Campus</td>
<td>College Station</td>
</tr>
<tr>
<td>College</td>
<td>Education &amp; Human Development</td>
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<tr>
<td>Degree</td>
<td>Bachelor of Science</td>
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<td>Level</td>
<td>Undergraduate</td>
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<tr>
<td>Majors</td>
<td>Health</td>
</tr>
<tr>
<td>Departments</td>
<td>Health &amp; Kinesiology</td>
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</table>

| Catalog Term: | Fall 2015 - College Station |
| Evaluation Term: | Fall 2015 - College Station |
| Expected Graduation Date: | |
| Request Number: | 4 |
| Results as of: | Oct 07, 2015 |
| Minors: | |
| Concentrations: | |

<table>
<thead>
<tr>
<th>Met</th>
<th>Credits</th>
<th>Courses</th>
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<tbody>
<tr>
<td>Required</td>
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<td>Required</td>
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<td>Total Required:</td>
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<tr>
<td>Program GPA:</td>
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<td>Overall GPA:</td>
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This is NOT an official evaluation.

**Area Major Coursework (46.000 credits) - Not Met:**

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<tr>
<th>Met Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute Low</th>
<th>High Required Credits</th>
<th>Term Subject</th>
<th>Course Title</th>
<th>Attribute Credits</th>
<th>Grace Source</th>
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<tbody>
<tr>
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<td>A.</td>
<td>HLTH 210</td>
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<td>No AND</td>
<td>B.</td>
<td>HLTH 216</td>
<td></td>
<td>Must make a grade of 'C' or better.</td>
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<tr>
<td>No AND</td>
<td>C.</td>
<td>HLTH 231</td>
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<td>Must make a grade of 'C' or better.</td>
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</tr>
<tr>
<td>No AND</td>
<td>D.</td>
<td>HLTH 236</td>
<td></td>
<td>Must make a grade of 'C' or better.</td>
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<tr>
<td>No AND</td>
<td>E.</td>
<td>HLTH/KINE 240 3hrs</td>
<td></td>
<td>Must make a grade of 'C' or better.</td>
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<tr>
<td>No AND</td>
<td>F.</td>
<td>HLTH 331</td>
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<td>Must make a grade of 'C' or better.</td>
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<tr>
<td>No AND</td>
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<td>HLTH 342</td>
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<td>Must make a grade of 'C' or better.</td>
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<tr>
<td>No AND</td>
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<td>Must make a grade of 'C' or better.</td>
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<tr>
<td>No AND</td>
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<td>HLTH 403</td>
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<td>Must make a grade of 'C' or better.</td>
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<tr>
<td>No AND</td>
<td>J.</td>
<td>HLTH 429</td>
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<td>Must make a grade of 'C' or better.</td>
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<tr>
<td>No AND</td>
<td>K.</td>
<td>HLTH 481</td>
<td></td>
<td>Must be taken S/L.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No AND</td>
<td>L.</td>
<td>HLTH 335</td>
<td></td>
<td>Must make a grade of 'C' or better.</td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>
No AND M. HLTH 353
Must make a grade of 'C' or better.

No AND N. HLTH 497
Must make a grade of 'C' or better.

No AND O. HLTH 410
Must make a grade of 'C' or better.

No AND P. HLTH 482
Must be taken S/U.

No AND Q. HLTH 445
Must make a grade of 'C' or better.

No AND R. KINE 199
Must be taken S/U.

unofficial evaluation

Area Supporting Coursework (18.00 credits) - Not Met

<table>
<thead>
<tr>
<th>Met Condition Rule Subject Attribute Low High Required Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>No A. SOCI 205</td>
</tr>
<tr>
<td>Must make a grade of 'C' or better.</td>
</tr>
<tr>
<td>No AND B. STAT 301, 302, or 303</td>
</tr>
<tr>
<td>Must make a grade of 'C' or better.</td>
</tr>
<tr>
<td>No AND C. Directed Electives 12hrs</td>
</tr>
<tr>
<td>To be chosen in consultation with academic advisor.</td>
</tr>
<tr>
<td>Must make a grade of 'C' or better.</td>
</tr>
</tbody>
</table>

unofficial evaluation

Area Communication (6.000 credits) - Not Met

Description Must have at least a 'B' in one and a 'C' or better in the other requirement.

<table>
<thead>
<tr>
<th>Met Condition Rule Subject Attribute Low High Required Term Subject Course Title Attribute Credits Grade Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No A. ENGL 103 or 104</td>
</tr>
<tr>
<td>No AND B. Communication 3hrs</td>
</tr>
<tr>
<td>Select from COMM 203, 205.</td>
</tr>
</tbody>
</table>

unofficial evaluation

Area Mathematics (6.000 credits) - Not Met

<table>
<thead>
<tr>
<th>Met Condition Rule Subject Attribute Low High Required Credits Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>No A. Mathematics Rqnt 1 3hrs</td>
</tr>
<tr>
<td>Select from MATH 141, 148, 152, 166, 172.</td>
</tr>
<tr>
<td>Must have a grade of 'C' or better.</td>
</tr>
<tr>
<td>No AND B. Mathematics Rqnt 2 3hrs</td>
</tr>
<tr>
<td>Select from MATH 131, 142, 147, 151, 171; PHIL 240.</td>
</tr>
<tr>
<td>Must have a grade of 'C' or better.</td>
</tr>
</tbody>
</table>

unofficial evaluation

https://compass-ssb.tamu.edu/pls/PROD/bwcrapp.P_VerifyDispEvalViewOption
### Area: Life and Physical Science (17.000 credits) - Not Met

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule Subject</th>
<th>Attribute</th>
<th>Low High</th>
<th>Required Credits</th>
<th>Required Courses</th>
<th>Term Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Grade</th>
<th>Source</th>
</tr>
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<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>BIOL 107</td>
<td></td>
<td></td>
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<tr>
<td>No</td>
<td>AND</td>
<td>B. Chemistry</td>
<td>1 hrs</td>
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<tr>
<td>No</td>
<td>AND</td>
<td>C. BIOL 319</td>
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<tr>
<td>No</td>
<td>AND</td>
<td>D. BIOL 320</td>
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</tr>
<tr>
<td>No</td>
<td>AND</td>
<td>E. KINE 120</td>
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</tbody>
</table>

**Total Credits and GPA**: 0.000 00

### unofficial evaluation

### Area: Language, Philosophy & Culture (3.000 credits) - Not Met

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule Subject</th>
<th>Attribute</th>
<th>Low High</th>
<th>Required Credits</th>
<th>Required Courses</th>
<th>Term Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Grade</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>Lang, Phi,</td>
<td>Culture Reqmt 3hrs</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

**Total Credits and GPA**: 0.000 00

### unofficial evaluation

### Area: Creative Arts (3.000 credits) - Not Met

<table>
<thead>
<tr>
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<th>Condition</th>
<th>Rule Subject</th>
<th>Attribute</th>
<th>Low High</th>
<th>Required Credits</th>
<th>Required Courses</th>
<th>Term Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Grade</th>
<th>Source</th>
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</thead>
<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>Creative Arts Requirement</td>
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</table>

**Total Credits and GPA**: 0.000 00

### unofficial evaluation

### Area: Social and Behavioral Science (3.000 credits) - Not Met

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule Subject</th>
<th>Attribute</th>
<th>Low High</th>
<th>Required Credits</th>
<th>Required Courses</th>
<th>Term Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Grade</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>PSYC 107</td>
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</tbody>
</table>

**Total Credits and GPA**: 0.000 00

### unofficial evaluation

### Area: Citizenship (12.000 credits) - Not Met

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule Subject</th>
<th>Attribute</th>
<th>Low High</th>
<th>Required Credits</th>
<th>Required Courses</th>
<th>Term Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Grade</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>American History Reqmt 6hrs</td>
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</tr>
</tbody>
</table>

Selected from any course with the [KHIS] attribute.
unofficial evaluation

Area General Electives ( 6.000 credits ) - Not Met

Met  Condition Rule Subject Attribute Low High Required
Crs       Required Courses       Term Subject Course Title Attribute Credits Grade Source

No  A. General Electives 6hrs
Must make a grade of 'C' or better.
Select from any 100-499 course not used elsewhere.

Total Credits and GPA  0.000 .00

unofficial evaluation

Area : Work Not Applied - Met
Description See advisor for acceptable substitutions.

Met  Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Grade Source
Crs       Required Courses       Term Subject Course Title Attribute Credits Grade Source

No  A. Courses not applied

Total Credits and GPA  0.000 .00

unofficial evaluation

Area University Writing Requirement - Not Met

Met  Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Grade Source
Crs       Required Courses       Term Subject Course Title Attribute Credits Grade Source

No  A. Writing Requirement
Two courses required.
Only sections of HUM 481, 492; KINE 190 with the Writing attribute
[LWRT] may be used to satisfy this requirement.

Total Credits and GPA  0.000 .00

unofficial evaluation

Area Int'l & Cult Diversity - Not Met

Met  Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Grade Source
Crs       Required Courses       Term Subject Course Title Attribute Credits Grade Source

No  A. Int'l & Cultural Diversity 6hr
Select from courses with the International and Cultural Diversity attribute [UCD] (except sections of BUSN 299 with the UWRT attribute).

Total Credits and GPA  0.000 .00

unofficial evaluation

Area Foreign Language - Not Met

Met  Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Grade Source
Crs       Required Courses       Term Subject Course Title Attribute Credits Grade Source

No  A. Foreign Language Reqnt
Complete one of the following:
1. Two years of the same foreign language in High School.
2. A two semester sequence of the same foreign language for
unofficial evaluation

Area: Residence Requirement - Not Met
Description: A minimum of 36 hours of 300-400 level coursework must be completed at Texas A&M University. 12 hours must be in the major field.

Met: Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Grade Source Credits Courses
No  A. Residence - Major 12hrs
    Select 12hrs from HLTH 300-499.
No  AND B. Residence 300-499 24hrs
    Select 12hrs from any 300-400 level course at Texas A&M University.

unofficial evaluation

Area: GPR-Major - Not Met
Description: A minimum GPR of 2.000 is required in all major field of studies courses.

Met: Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Grade Source Credits Courses
No  A. Major GPR 40+hrs.
    Includes HLTH 100-499; ISYS 209; KINE 240; WGST 334.

unofficial evaluation

Back to Display Options

Print
MEMORANDUM

TO: Steve Oberhelman
Professor and Associate Dean, College of Liberal Arts

FROM: Chris Cherry
Assistant Dean, College of Education and Human Development

RE: Directed Electives for the BS-HLTH-AHO

The purpose of this memorandum is to request your permission to allow the following courses to be listed as Directed Electives for the Bachelor of Science degree in Health (Allied Health Option).

- PHIL 111, 251
- PSYC 306, 307, 335

While these courses have been utilized on HLTH-AHO degree plans through substitution in the past, the Department of Health and Kinesiology wishes to formalize this list of courses in current and future degree plans.

Please indicate your approval with your signature and date on the line below and return to me via campus mail by 11/1/15. If you have questions or concerns, please do not hesitate to contact me.

[Signature]

October 29, 2015

210 Heaton Hall
4222 TAMU
College Station, TX 77843-4222

Tel. 979.458.3560 Fax 979.862.4352
chrischerry@tamu.edu
MEMORANDUM

TO: Kim Dooley
Professor and Associate Dean, College of Agriculture and Life Sciences

FROM: Chris Cherry
Assistant Dean, College of Education and Human Development

RE: Directed Electives for the BS-HLTH-AHO

The purpose of this memorandum is to request your permission to allow the following courses to be listed as Directed Electives for the Bachelor of Science degree in Health (Allied Health Option).

- BICH 303, 410
- GENE 301/312, 302, 310
- NUTR 202

While these courses have been utilized on HLTH-AHO degree plans through substitution in the past, the Department of Health and Kinesiology wishes to formalize this list of courses in current and future degree plans.

Please indicate your approval with your signature and date on the line below and return to me via campus mail by 11/1/15. If you have questions or concerns, please do not hesitate to contact me.

Kim Dooley 10/9/15

210 Heaton Hall
4222 TAMU
College Station, TX 77843-4222
Tel. 979.458.3568  Fax 979.862.4352
chrischerry@tamu.edu
MEMORANDUM

TO: Tim Scott  
   Associate Professor and Associate Dean, College of Science

FROM: Chris Cherry  
   Assistant Dean, College of Education and Human Development

RE: Directed Electives for the BS-HLTH-AHO

The purpose of this memorandum is to request your permission to allow the following courses to be listed as Directed Electives for the Bachelor of Science degree in Health (Allied Health Option).

- BIOL 112, 206, 351
- CHEM 102/112, 227/237, 228/238
- PHYS 201, 202

While these courses have been utilized on HLTH-AHO degree plans through substitution in the past, the Department of Health and Kinesiology wishes to formalize this list of courses in current and future degree plans.

Please indicate your approval with your signature and date on the line below and return to me via campus mail by 11/1/15. If you have questions or concerns, please do not hesitate to contact me.

[Signature]

10-13-15

210 Nealon Hall  
4222 TAMU  
College Station, TX 77843-4222  
Tel. 979.458.3560 Fax 979.862.4352  
chrischerry@tamu.edu
CHANGE IN CURRICULUM

COLLEGE OF EDUCATION AND HUMAN DEVELOPMENT
DEPARTMENT OF HEALTH AND KINESIOLOGY
MINOR IN SPORT MANAGEMENT
Texas A&M University
Request for a Change in Curriculum
Undergraduate + Graduate + Professional

1. Program request type:  
   ☑ Undergraduate  □ Graduate  □ First Professional (e.g., DVM, JD, MD, etc.)
   ☑ Degree Program  □ Minor  □ Certificate

2. Request change for:
   ☑ Degree Program  □ Minor  □ Certificate

3. Request submitted by (Department or Program Name):  
   Health and Kinesiology

4. Program Designation and Name:
   (e.g., B.A. in History, Minor in History, Certificate in European Union):  
   Sport Management Minor

5. Brief description of change: SPMT 482 is being changed to reflect that it is a writing intensive seminar. SPMT 481 is being added as a seminar with different topics each semester. SPMT 340 is being added to the list of electives for the minor.

6. Rationale for change: Because of a change to these courses to accommodate degree programs in Sport Management, it is necessary to change the minor to reflect those changes. SPMT 340 is also being added as an elective for the minor.

Use the checkboxes below to make sure that all information is included.

7. a. Proposed curriculum attached.  
   □ Yes  ☑ No

   b. Current catalog curriculum with handwritten edits attached.  
   □ Yes  ☑ No

   c. Current Howdy degree evaluation with handwritten edits attached.  
   □ Yes  ☑ No

   Please make sure the attached proposed curriculum, catalog and Howdy degree evaluation match.

8. a. Will degree program hour change (increase/decrease) due to the proposed curriculum changes?  
   □ Yes  ☑ No

   b. If yes, degree program hours will change  
      from:  
      to:  

   c. If yes, is the Texas Higher Education Coordinating Board form attached?  
   http://www.thecb.state.tx.us/index.cfm?objectid=A0F9F7FA-9A92-4F11-2756AD3BBF01D60
   □ Yes  ☑ No

9. If proposed changes affect other unit(s), are letters of support attached?  
   □ Yes  ☑ No

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UCC/GC, January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:

Richard Kreider  
Department Head or Program Chair  (Type Name & Sign)  Date

Chris Cherry  
Dean of College  Date

Chris Cherry  
Chair, College Review Committee  Date

Tim Scott  
Chair, GC or UCC  Date

Questions regarding this form should be directed to Curricular Services at 845-8201 or sandra-williams@tamu.edu
Curricular Services – 04/14

RECEIVED
NOV 13 2015
CURRICULAR SERVICES
## APPROVAL OF SPORT MANAGEMENT MINOR FIELD OF STUDY

| Name: ______________________________ | UIN: ______ | Major: ______ |
| Expected Graduation Date: Fall _____ Spring _____ Summer _____ Year ____________ |
| Minor: SPMT | Optional ______ | Required: ______ | Catalog: __________________ |

15 of the following 18 hours must be taken to satisfy the Sport Management Minor. All classes must be taken on-line. **Students in this minor are NOT allowed to enroll in any writing intensive sections 900 or above of SPMT 482 to satisfy the University Writing Requirement.**

### Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPMT 217</td>
<td>Intro to Sport Management</td>
<td>3</td>
</tr>
<tr>
<td>*SPMT 482</td>
<td>Seminar in...</td>
<td>1</td>
</tr>
<tr>
<td>*SPMT 481</td>
<td>Seminar in...</td>
<td>1</td>
</tr>
<tr>
<td>*SPMT 482</td>
<td>Seminar in...</td>
<td>1</td>
</tr>
<tr>
<td>Total Required Coursework</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

### Elective Courses

(Choose 9 hours from the courses below)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPMT 304</td>
<td>Psychology of Sport</td>
<td>3</td>
</tr>
<tr>
<td>SPMT/SOCI 319</td>
<td>Sociology of Sport</td>
<td>3</td>
</tr>
<tr>
<td>SPMT 336</td>
<td>Diversity in Sport Org</td>
<td>3</td>
</tr>
<tr>
<td>SPMT 337</td>
<td>International Sport Business</td>
<td>3</td>
</tr>
<tr>
<td>SPMT 340</td>
<td>Sport Governance</td>
<td>3</td>
</tr>
<tr>
<td>Total Elective Coursework</td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours for SPMT minor 15

ALL COURSES MUST BE PASSED WITH A “C” OR BETTER

*Must be on different topics

Student’s Signature _____________________________ Date ______________________

Approved by:

**Minor Department** _____________________________ Date ______________________

Advisor: Ryan Scheffler, Department of Health and Kinesiology

Phone: 979.845.4530

Minor entered in Compass (date)____________________

**Major Department** _____________________________ Date ______________________

- Copy of approval must be submitted to Department offering minor, student’s major department and student’s dean.
- If a student decides not to complete minor, notification must be given to student’s major department in order to remove minor from degree audit.

Other requirements for minor: __________________________________________________________
___________________________________________________________________________________
Sport Management - Minor

The minor provides a foundational understanding of the multifarious sport industry from the perspectives of management, marketing and other business principles. The minor provides an introductory understanding of the broadly defined sport management discipline and potential careers that can be leveraged in the sport industry.

Program Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPMT 217</td>
<td>Foundations of Sport Management</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Take the following course three times:</td>
<td></td>
</tr>
<tr>
<td>SPMT 401</td>
<td>Seminar 1</td>
<td>3</td>
</tr>
<tr>
<td>SPMT 304</td>
<td>Sport Psychology Management and Practice</td>
<td></td>
</tr>
<tr>
<td>SPMT 319</td>
<td>Sociology of Sport</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 319</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPMT 336</td>
<td>Diversity in Sport Organizations</td>
<td>3</td>
</tr>
<tr>
<td>SPMT 337</td>
<td>International Sport Business</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Total Semester Credit Hours</td>
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</tbody>
</table>

1 Topics for the seminar classes include: Sport Sponsorship, Athletic Administration and Sport and the Media.
2 Courses meet International and Cultural Diversity requirement

Students must make a grade of “C” or better in all courses.
### Detail Requirements

**Area:** Sport Management Minor (15.000 credits) - Not Met

**Description:** No grade below a 'C' is acceptable.

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition Rule</th>
<th>Subject Attribute</th>
<th>Low High Required Credits</th>
<th>Required Courses</th>
<th>Term Subject Course</th>
<th>Title Attribute</th>
<th>Credits</th>
<th>Grade Source</th>
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<tbody>
<tr>
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<td>A.</td>
<td>SPMT 217</td>
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<td></td>
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</tr>
<tr>
<td>No</td>
<td>AND</td>
<td>B. Elective 9hrs</td>
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</tr>
<tr>
<td>No</td>
<td>AND</td>
<td>C. SPMT 481 3hrs</td>
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Total Credits and GPA: 0.000 .10

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**Area:** University Writing Requirement - Not Met

**Met**

<table>
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<tr>
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<th>Required Courses</th>
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<th>Title Attribute</th>
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Total Credits and GPA: 0.000 .00

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**Area:** Int'l & Cult Diversity - Not Met

**Met**

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Total Credits and GPA: 0.000 .00

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**Area:** Foreign Language - Not Met

**Met**

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Total Credits and GPA: 0.000 .00

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**Area:** Residence - Not Met

**Description:** A minimum of 26 hours of 300-400 level coursework must be completed at Texas A&M University. 12 hours must be in the major field.

**Met**

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Total Credits and GPA: 0.000 .00

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Unofficial evaluation

CHANGE IN CURRICULUM

DWIGHT LOOK COLLEGE OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

BS IN COMPUTER SCIENCE
Texas A&M University
Request for a Change in Curriculum
Undergraduate • Graduate • Professional

1. Program request type: ☑ Undergraduate ☐ Graduate ☐ First Professional (e.g., DVM, JD, MD, etc.)

2. Request change for: ☑ Degree Program ☐ Minor ☐ Certificate

3. Request submitted by (Department or Program Name): Computer Science and Engineering
   Program Designation and Name: B.S. in Computer Science

4. Brief description of change: Addition of ENGR 111 and ENGR 112. Reduction of General Elective by 2 hours, and increase of overall degree program by 2 hours. CHEM 107/117 will be listed as one of the options to meet the Science requirements.

6. Rationale for change: The change is being made to accommodate Computer Science students being able to take the common first year of Engineering recommended course sequence within the degree program. Students entering the College of Engineering as Freshmen are no longer admitted to a particular major, and are told to follow a set of courses common to almost all of Engineering. This common first year includes ENGR 111 and ENGR 112, which have not previously been required of students pursuing a B.S. in Computer Science. The changes will allow students to take these courses as part of the degree program. In addition, CHEM 107/117, which is part of the recommended common Engineering first year will be explicitly included as one of the courses that can meet the Science requirements in the degree.

7. a. Proposed curriculum attached. ☑ Yes ☐ No
   b. Current catalog curriculum with handwritten edits attached. ☑ Yes ☐ No
   c. Current Howdy degree evaluation with handwritten edits attached. ☑ Yes ☐ No

   Please make sure the attached proposed curriculum, catalog and Howdy degree evaluation match.

8. a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes? ☑ Yes ☐ No
   b. If yes, degree program hours will change from: 126 to: 128
   c. If yes, is the Texas Higher Education Coordinating Board form attached? ☑ Yes ☐ No
      http://www.thecb.state.tx.us/index.cfm?objectid=A0F9F7FA-9A92-4F11-2756AD3BBF01D60

9. If proposed changes affect other unit(s), are letters of support attached? ☑ Yes ☐ No

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UCC/GC, January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:

Dilma Da Silva
Department Head or Program Chair (Type Name & Sign) Date

Katherine Banks
Dean of College Date

Valerie Taylor
Chair, College Review Committee Date

Tim Scott
Chair, GC or UCC Date

Questions regarding this form should be directed to Curricular Services at 845-8201 or sandra-williams@tamu.edu.
Curricular Services – 04/14
Texas A&M University – College of Engineering – Department of Computer Science and Engineering
Undergraduate Degree Plan in Computer Science (CPSC)

Valid for Fall 2016 Catalog (139)

<table>
<thead>
<tr>
<th>COMPUTER SCIENCE</th>
<th>COMMUNICATION</th>
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<tr>
<td>CSCE 181 (1)</td>
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<td>221 (4)</td>
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<thead>
<tr>
<th>TECHNICAL ELECTIVES</th>
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<tr>
<td>CSCE 411 (3)</td>
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3 CSCE courses; one from systems, software, info tracks (see next page)

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3 additional CSCE courses from upper level tracks

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<tr>
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<tr>
<td>MATH 151 (4)</td>
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<tr>
<td>152 (4)</td>
<td>12 hours required; requires approval of advising office</td>
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<td>304 (3)</td>
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<tr>
<td>MATH 251 or 302 or 308</td>
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<th>INTERNATIONAL &amp; CULTURAL DIVERSITY</th>
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Notes:
1. Courses inside boxes must be completed with a grade of C or better
2. CSCE 481 should be taken in the student’s Junior year
3. Courses taken for ICD Credit may be courses taken to meet another requirement
4. See http://core.tamu.edu/ for classes
5. At least two of these classes should also be ICD if possible
6. Writing intensive section of ENGR 482 required; transfer courses are unlikely to meet this requirement.

TOTAL HOURS 128
CPSC Upper Level Tracks

Track 1: Algorithms and Theory
(X) CSCE 411
(X) CSCE 433
(X) CSCE 440
(X) CSCE 442

Analysis of Algorithms
Formal Languages and Automata
Quantum Algorithms
Scientific Programming

Track 2: Systems
(X) CSCE 410
(X) CSCE 456
(X) CSCE 462
(X) CSCE 463
(X) CSCE 464
(X) CSCE 465
(X) CSCE 469

Operating Systems
Real-Time Computing
Microcomputer Systems
Networks & Distributed Programming
Wireless and Mobile Systems
Computer & Network Security
Advanced Computer Architecture

Track 3: Software
(X) CSCE 431
(X) CSCE 432
(X) CSCE 434
(X) CSCE 435
(X) CSCE 438

Software Engineering
Programming Language Design
Compiler Design
Parallel Computing
Distributed Objects Programming

Track 4: Information and Intelligent Systems
(X) CSCE 310
(X) CSCE 420
(X) CSCE 436
(X) CSCE 441
(X) CSCE 443
(X) CSCE 444
(X) CSCE 445
(X) CSCE 452
(X) CSCE 470

Database Systems
Artificial Intelligence
Computer-Human Interaction
Computer Graphics
Game Development
Structures of Information
Computers and New Media
Robotics and Spatial Intelligence
Information Storage and Retrieval

Notes:
- Students must take CSCE 411 and six additional courses from the list above.
- At least one course from each track must be taken.
- The remaining three courses can be from any track.
- The seventh course also may be from outside of the track for approved options. Options for the seventh course include CSCE 491 (independent research) or co-op/EPICS credits (co-op: ENGR 385, EPICS: ENGR 270, or 470). If co-op/EPICS credits are used exactly 3 credits are required. Fewer than 3 cannot be used and excess credits above 3 cannot be used.
- The required course CSCE 411 (Analysis of Algorithms) counts as one of the courses from the Algorithms and Theory track.
- Prerequisites will still prevail for all courses. Consult the undergraduate catalog for details.
- Approved special topics course (CSCE 489) and graduate courses may be used to fulfill these requirements; each such course will be classified with respect to the tracks; see advisor.
- *This course number is not yet finalized and may change. See the advising office.
- **CSCE 410 taken before Spring 2009 will not fill this requirement.
- #This course is not being taught on a regular basis.
### Recommended Sequence of Courses

#### FIRST YEAR (Common Engineering First Year)

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<td>CSCE 312</td>
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<td>CSCE 314</td>
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<td>MATH 304</td>
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<td>Concentration Elective</td>
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<td>Computer Science Elective</td>
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<td>CSCE 481</td>
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<td>Computer Science Elective</td>
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#### FOURTH YEAR

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DEGREE PLAN INSTRUCTIONS FOR
COMPUTER SCIENCE MAJORS
2016-2017 Academic year

The instructions contained in this packet are to be used as a guide in preparing the Department of Computer Science and Engineering (CSCE) Degree Plan Form for the Bachelor's Degree in Computer Science (CPSC). A degree plan is required to be filed in Howdy by the student's third semester at the University.

Degree audits are produced by the Registrar's Office and can be viewed on-line at howdy.tamu.edu. The audits should be carefully reviewed by the student with his/her advisor, to determine the progress toward a degree.

Hours & Technical Electives
The total hours on the degree plan must be at least 128. Note that the 128 hours does not include the two International and Cultural Diversity courses. This is because these classes can be used to satisfy both the International and Cultural Diversity requirement and another requirement on the degree plan—see the advising office for a list of the courses that can be used in this way. This is the only place where one course can be used in two places on the degree plan. Please note that the 128 total hours do not include a required foreign language. It is the student's responsibility to meet the University's foreign language requirement.

Comments and Observations
Before visiting the Undergraduate Advisor about a degree plan, the student should make as many decisions as possible. One problem area is transfer credits, in that it is sometimes difficult to know which courses may be used. Efforts are made to allow 'reasonable' substitutions. A student must submit a copy of his/her transcript evaluation along with the degree plan form if credit for transfered courses is desired. To approve courses that transfer "By Title" to TAMU documentation of the courses content, such as a catalog description, will be required.

It is the student's responsibility to have a degree plan meet minimum requirements. Everyone involved will check, but if a graduating senior's degree plan is not acceptable (e.g. only 125 hours), the student will not graduate.

Computer Science Courses
Thirty (30) hours of CSCE classes are required to be passed with a grade of at least "C" as follows: CSCE 121-4, 181-1, 221-4, 222-3, 312-4, 313-4, 314-3, 315-3, 481-1, and 482-3. CSCE 411-3 is also required for all majors but does not require C or better. Upper division electives follow a track system; see the separate description. Other non-CSCE courses in the degree plan also require grades of C or better (14 hours of Math; 8 hours of science; ENGL 104).

Please note that courses are not necessarily taken in strict numerical order. For example, CSCE 221 requires CSCE 222 as a co-requisite; CSCE 312 and 314 are generally taken together in the semester preceding CSCE 313 and 315.

Engineering
Four (4) hours of ENGR classes are required to be passed with a grade of at least "C", as follows: ENGR 111, 112.
Supporting Area

Completion of the supporting field (called the "concentration area" in the online degree plan) requires 12 hours in a single area approved by a CSCE advisor that is not otherwise used on the major's degree plan. With certain exceptions, the supporting area classes must include 300 and 400 level classes and are generally selected from the physical sciences, engineering, mathematics, business, or liberal arts. There must be a clear connection to computing and the classes must be selected from a single academic area.

Here are some examples of commonly selected options. If you wish to suggest a different set of classes, see an advisor:

Math: Twelve hours beyond those used in the other parts of the CSCE degree plan are required. These 12 hours are to be selected from 400-level math electives (not including MATH 403, which cannot be used), except that at most six hours can be selected from the classes in the MATH 251, 302, 308 grouping that have not been used to fill that 3 hour degree plan requirement. CSCE 442 (when offered) can also be used here, but in this case MATH 417 cannot be used (in this case, CSCE 442 could not also be used as a technical elective). Note that these requirements are beyond those required by the Math minor—the Math minor does not provide enough credits to meet the supporting field's requirements but the supporting area does provide enough credits to also fill the Math minor's credits (assuming grades of C or better).

Business: Take classes towards the official Business minor. We do not require that this minor be completed but encourage students to do so as there are only two classes beyond those that can be used here in the degree plan to take. The following classes from the minor will be used to fill the supporting area requirement: ACCT 209, FINC 409, MGMT 309 and MKTG 409. MGMT 209 can be used towards the degree plan's General Elective. The remaining classes needed to complete the official Business minor (ISYS 209) is not used on the Computer Science degree plan.

Art: Complete the Minor in Art offered by the Department of Visualization. The minor should follow the traditional media emphasis if the student intends to apply to the Visualization department's master's program.

Foreign languages: 12 hours of foreign language classes are allowed. A special exception is made here to allow language training classes, which generally are entirely at the 100 and 200 level. This is distinct from the degree's foreign language requirement, which usually has already been met with high school classes.

University-recognized minor: Complete an official university recognized minor in an AREA APPROVED BY A CPSC ADVISOR. The student will be required to complete the courses mandated by the department offering the MINOR, which will likely require 15+ credits to complete. NOT ALL OFFICIAL MINORS can be used to complete the supporting field requirement and not all classes in approvable minors are usable. At least 12 usable credits not otherwise used on the CPSC degree plan are required for completion of the supporting field. Please note that this means that the Math minor does not provide enough credits to meet the supporting field requirement—additional Math classes will be required beyond the minor's requirements (see above for details about using Math courses).

Note: An official minor will be noted on your transcript; the 12 hour supporting area will not. Taking the first 12 credits of an official minor does not automatically satisfy the 12 hour requirement for the supporting area.
If you are seeking a double major or a double degree, courses from your other major are used to fill the supporting area requirement.

**Mathematics and Statistics**

Fourteen hours of Mathematics and three hours of Statistics are required. The courses listed inside the box must each be passed with a grade of at least "C". The elective mathematics course must be either MATH 251, 302, or 308. The choice of a supporting area often dictates this elective.

NOTE: MATH 151 has a prerequisite of algebra, trigonometry and analytical geometry and requires a sufficient grade on the math placement exam. If MATH 150, 102, 103, or 104 are taken to meet these requirements, they may not be used for credit on the degree plan’s requirement of 126 hours.

**Science Courses**

16 hours of science coursework are required; choose from any two of the following four options. Only ONE option B may be used to satisfy this requirement.

1. Chemistry: CHEM 101/111 or CHEM 107/117 and 102/112
2. Physics: PHYS 218 and 208
3. Life Sciences:
   a. Option A: BIOL 111 and BIOL 112
   b. Option B: any two of: BIOL 111, BIOL 101, BIOL 107
4. Earth Sciences:
   a. Option A: GEOL 101 and GEOL 106
   b. Option B: any two of: GEOG 203, ATMO 201/202, RENR 205/215. Note: beginning in Fall 2014, GEOG 203/213 may be necessary to reach 4 credits.

**General Elective Course**

One (1) hour of general electives is required and should be chosen after consultation with the Academic Advisors.

**University Core Curriculum Courses (and other University general requirements)**

Refer to core.tamu.edu for information on the core curriculum courses. The following degree specific adjustments to the core curriculum should be noted:

**Communication:** the Communication requirement must be filled by taking two courses:
- ENGL 104
- One of the following: ENGL 210, COMM 203, COMM 205

**Mathematics:** the Mathematics requirements must be filled by the courses specified in the degree plan.

**Life and Physical Sciences:** the requirement must be filled by the courses specified in the degree plan.

**Language, Philosophy, and Culture:** the requirement must be filled by ENGR 482 (or PHIL 482), which is a required course. You must take a writing intensive section (a "900" section) of this course.

The University's core curriculum requirements are unchanged in the following areas: Creative Arts; American History; Government/Political Science; and Social and Behavioral Sciences. The International and Cultural Diversity requirement is unchanged from the University's requirements. Follow the University's instructions in these areas.

**Foreign Language Requirement**
Proficiency in a foreign language is also required to graduate from Texas A&M University. This requirement can be met by:

- Completing two units (two full years) of high school course work in the same foreign language.
- Completing two semesters (one full year) of course work at the college level in the same foreign language, or
- Demonstrating proficiency in a foreign language by examination. See catalog for additional requirements under graduation requirements and Foreign Language.
Computer Science – BS Program Description

The four-year undergraduate curriculum in computer science at Texas A&M provides a sound preparation in computing, as well as in science, mathematics, English, and statistics. Students take a broad set of core computer science courses in the early semesters, which exposes them to the main concepts in computing. During the later semesters, students take elective computer science courses drawn from four tracks (algorithms and theory, computer systems, software, and information and intelligent systems) to provide both breadth and depth. The electives can be used to tailor the curriculum to match the student’s interests. Graduate courses may be taken by qualified students for some of the electives.

A major in computer science includes a 12-hour area of concentration. This allows students to design a course of study that complements their computer science coursework and takes advantage of opportunities offered by other departments across the University.
Computer Science - BS

The four-year undergraduate curriculum in computer science at Texas A&M provides a sound preparation in computing, as well as in science, mathematics, English, and statistics. Students take a broad set of core computer science courses in the first two years, which exposes them to the main concepts in computing. During the last two years, students take elective computer science courses drawn from four tracks (algorithms and theory, computer systems, software, and information and intelligent systems) to provide both breadth and depth. The electives can be used to tailor the curriculum to match the student's interests. Graduate courses may be taken by qualified students for some of the electives.

A major in computer science includes a 12-hour area of concentration. This allows students to design a course of study that complements their computer science coursework and takes advantage of opportunities offered by other departments across the University.

Program Requirements

First Year

Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Description</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCE 121</td>
<td>Introduction to Program Design and Concepts 1</td>
<td>4</td>
</tr>
<tr>
<td>CSCE 181</td>
<td>Introduction to Computing 1</td>
<td>1</td>
</tr>
<tr>
<td>ENGL 104</td>
<td>Composition and Rhetoric 1</td>
<td>4</td>
</tr>
<tr>
<td>MATH 151</td>
<td>Engineering Mathematics I 1</td>
<td>4</td>
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<tr>
<td>Science elective 1,2</td>
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Spring

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<tr>
<td>CSCE 221</td>
<td>Data Structures and Algorithms 1</td>
<td>4</td>
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<tr>
<td>CSCE 222/ECEN 222</td>
<td>Discrete Structures for Computing 1</td>
<td>3</td>
</tr>
<tr>
<td>MATH 152</td>
<td>Engineering Mathematics II 1</td>
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Second Year

Fall

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<th>Course Code</th>
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<tbody>
<tr>
<td>CSCE 312</td>
<td>Computer Organization 1</td>
<td>4</td>
</tr>
<tr>
<td>CSCE 314</td>
<td>Programming Languages 1</td>
<td>3</td>
</tr>
<tr>
<td>MATH 304</td>
<td>Linear Algebra 1</td>
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<tr>
<td>Concentration area elective 3</td>
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<tr>
<td>University Core Curriculum 4</td>
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Spring

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<th>Course Description</th>
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<tbody>
<tr>
<td>CSCE 313</td>
<td>Introduction to Computer Systems 1</td>
<td>4</td>
</tr>
<tr>
<td>CSCE 315</td>
<td>Programming Studio 1</td>
<td>3</td>
</tr>
<tr>
<td>STAT 211</td>
<td>Principles of Statistics 1</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following:</td>
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<tr>
<td>COMM 203</td>
<td>Public Speaking</td>
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Third Year

Fall

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<tr>
<td>CSCE 313</td>
<td>Introduction to Computer Systems 1</td>
<td>4</td>
</tr>
<tr>
<td>CSCE 315</td>
<td>Programming Studio 1</td>
<td>3</td>
</tr>
<tr>
<td>STAT 211</td>
<td>Principles of Statistics 1</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following:</td>
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<tr>
<td>COMM 203</td>
<td>Public Speaking</td>
<td>3</td>
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<td><strong>Term Semester Credit Hours</strong></td>
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Spring

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Credit Hours</th>
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<tbody>
<tr>
<td>ENGL 210</td>
<td>Technical and Business Writing</td>
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<tr>
<td>COMM 205</td>
<td>Communication for Technical Professions</td>
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</tr>
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<td><strong>University Core Curriculum 4</strong></td>
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<td><strong>Total Semester Credit Hours</strong></td>
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</table>

1. A grade of C or better is required, including at least two science electives.
2. Science courses must be taken from two areas. See advisor for list of acceptable courses.
3. The concentration area should be chosen only after consultation with a departmental advisor who will help the student arrange a program appropriate to that individual. Students should file a degree plan before taking minor courses to ensure their use in the degree plan.
Information for Degree Evaluation  
This is NOT an official evaluation.

Program Evaluation

Limitation Correspondence: No more than 12 hours of correspondence earned through an accredited institution may be used for an undergraduate degree.
Limitation Combination: Maximum combination of 18 hours of 481, 482, 485 and/or 491 courses may be used for an undergraduate degree.

Limitation CAEN 001-499 and STLC 001-499 may not be used in this program.

<table>
<thead>
<tr>
<th>Program</th>
<th>BS CPSC</th>
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<tbody>
<tr>
<td>Campus</td>
<td>College Station</td>
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<tr>
<td>College</td>
<td>Dwight Leek College of Engr</td>
</tr>
<tr>
<td>Degree</td>
<td>Bachelor of Science</td>
</tr>
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<td>Level</td>
<td>Undergraduate</td>
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<tr>
<td>Majors</td>
<td>Computer Science</td>
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<tr>
<td>Departments</td>
<td>Computer Science &amp; Engineering</td>
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Catalog Term: Fall 2015 - College Station
Evaluation Term: Fall 2015 - College Station
Expected Graduation Date:
Request Number: 2
Results as of: Oct 13, 2015
Minors:
Concentrations:

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<tr>
<th>Met</th>
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<th>Courses</th>
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<tr>
<td>Overall GPA:</td>
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<td>Other Course Information</td>
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This is NOT an official evaluation.

Area Major Coursework (30,000 credits) – Not Met:

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<th>Required Courses Term Subject Course Title Attribute Credits Grace Source</th>
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<tbody>
<tr>
<td>No AND B. CSCE 212 4hrs Must make a grade of 'C' or better.</td>
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<tr>
<td>No AND C. CSCE 212 3hrs Must make a grade of 'C' or better.</td>
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<tr>
<td>No AND D. CSCE 212 3hrs Must make a grade of 'C' or better.</td>
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<tr>
<td>No AND E. CSCE 212 4hrs Must make a grade of 'C' or better.</td>
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<tr>
<td>No AND F. CSCE 212 3hrs Must make a grade of 'C' or better.</td>
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<td>No AND G. CSCE 212 3hrs Must make a grade of 'C' or better.</td>
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https://compass-ssb.tamu.edu/pls/PROD/bwckapp.P_VerifyDispEvalViewOption
### Detail Requirements

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<th>No</th>
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<th>CSCE 315 3hrs</th>
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<table>
<thead>
<tr>
<th>No</th>
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<th>CSCE 481 1hr</th>
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<table>
<thead>
<tr>
<th>No</th>
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**unofficial evaluation**

**Area Supporting Coursework (44.000 credits) - Not Met**

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<th>Condition</th>
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<th>Subject</th>
<th>Attribute</th>
<th>Low Credits</th>
<th>High Credits</th>
<th>Required Courses</th>
<th>Term Subject Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Grade</th>
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<td>Emphasis Area 12hrs</td>
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<td></td>
<td>To be chosen in consultation with academic advisor. Emphasis area to be taken in another department of the university.</td>
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<td>No</td>
<td>B.</td>
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<td>Theory</td>
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<td>Elective</td>
<td>3hrs</td>
<td>Engr 112</td>
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<td>2hrs</td>
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<td>Elective</td>
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<td>D.</td>
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<td>Software</td>
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<td>3hrs</td>
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<td>2hrs</td>
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<td>Elective</td>
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<td>No</td>
<td>E.</td>
<td></td>
<td></td>
<td>Info/Intel</td>
<td>Sys Dir</td>
<td>Elective</td>
<td>3hrs</td>
<td>Engr 111</td>
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<td>To be chosen in consultation with academic advisor.</td>
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<tr>
<td>No</td>
<td>F.</td>
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<td>See academic advisor for a list of approved courses. Three courses required.</td>
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<td>G.</td>
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<td>No</td>
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<td>Must make a grade of 'C' or better.</td>
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<tr>
<td>No</td>
<td>I.</td>
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<td>MATH</td>
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**unofficial evaluation**

**Area Communication (6.000 credits) - Not Met**

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<th>Subject</th>
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<tr>
<td>No</td>
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<td>ENGL</td>
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<td>Must make a grade of 'C' or better.</td>
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<td>No</td>
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<td></td>
<td>Communication Reqmt 3hrs</td>
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<td>Engr 111</td>
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<td>Communication Reqmt 3hrs</td>
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<td>Select from COMM 283, 295; ENGL 210.</td>
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**unofficial evaluation**

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### Area: Mathematics (8.000 credits) - Not Met

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<tr>
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<table>
<thead>
<tr>
<th>No</th>
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<tbody>
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</table>

Total Credits and GPA: 0.000 .00

### unofficial evaluation

### Area: Life and Physical Sciences (16.000 credits) - Not Met

**Description:** Requires a grade of 'C' or better in 8 out of the 16 hours.

<table>
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<th>Science Reqnt 16hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Complete 2 of the following 4 groups</td>
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</tbody>
</table>

#### Group A: Biology
- 8 hrs. Take BIOL 111 and 112.
- 4 hrs. Select 2 from the following:
  - 1. BIOL 101
  - 2. BIOL 107
  - 3. BIOL 111

#### Group B: Chemistry
- 8 hrs. Take CHEM 107 and 117.
- 4 hrs. Take CHEM 162 and 112.

#### Group C: Geosciences
- 8 hrs. Take GEOG 101 and 102.
- 4 hrs. Complete 2 of the following 3 requirements:
  - 1. Take GEOF 201 and 202.
  - 2. Take ENGR 205 and 215.

#### Group D: Physics
- 8 hrs. Take PHYS 213 and 215.

Total Credits and GPA: 0.000 .00

### unofficial evaluation

### Area: Language, Philosophy & Culture (3.000 credits) - Not Met

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<thead>
<tr>
<th>No</th>
<th>A.</th>
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Total Credits and GPA: 0.000 .00

### unofficial evaluation

### Area: Creative Arts (3.000 credits) - Not Met

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<th>A.</th>
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unofficial evaluation

Area: Social and Behavioral Sciences (3.000 credits) - Not Met

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<th>Courses</th>
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</table>

Select from courses with the Social and Behavioral Science attribute [KSOC].

Total Credits and GPA 0.000 .00

unofficial evaluation

Area: Citizenship (12.000 credits) - Not Met

Description: Completion of 4 semesters of Upper-Level ROTC may be substituted for 3 hours of American History and 3 hours of Political Science.

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<th>Rule</th>
<th>Subject</th>
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<tr>
<td>1</td>
<td>American</td>
<td>History</td>
<td>Rgmt</td>
<td>6hrs</td>
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</tbody>
</table>

Select from any course with the [KHAM] attribute.

| No | AND       | B.    | Political| Science | Rgmt | 6hrs |          |      |         |        |       |           |         |       |        |
|----|-----------|-------|----------|---------|------|------|----------|      |         |        |       |           |         |       |        |

Take POLS 206 and POLS 207.

Total Credits and GPA 0.000 .00

unofficial evaluation

Area: General Electives (3.000 credits) - Not Met

| No | A.         | General| Electives| 3hrs | 8sr | 10 hrs |          |         |        |      |         |        |       |           |         |       |        |

Select from any course 299-499 not used elsewhere.

Total Credits and GPA 0.000 .00

unofficial evaluation

Area: Work Not Applied - Met

Description: See advisor for acceptable substitutions.

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<th>Attribute</th>
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Total Credits and GPA 0.000 .00

unofficial evaluation

https://compass-asb.tamu.edu/pls/PROD/kwcapp.P_VerifyDispEvalViewOption
### Area University Writing Requirement - Not Met

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<td></td>
<td>Two courses required. Only sections of CSEE 450; ENGR 452; PHIL 452 with the Writing attribute [WRT] may be used to satisfy this requirement.</td>
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Total Credits and GPA: 0.000 .00

unofficial evaluation

### Area Int'l & Cult Diversity - Not Met

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<th>A. Int'l &amp; Cultural Diversity 6hr</th>
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<td>Select from courses with the International and Cultural Diversity attribute [HCID] (except sections of BUSN 200 with the UWRT attribute).</td>
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Total Credits and GPA: 0.000 .00

unofficial evaluation

### Area Foreign Language - Not Met

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<td></td>
<td>Complete one of the following: 1. Two years of the same foreign language in high school. 2. A two semester sequence of the same foreign language for University credit.</td>
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</table>

Total Credits and GPA: 0.000 .00

unofficial evaluation

### Area Residence Requirement - Not Met

**Description:** A minimum of 36 hours of 300-499 level coursework must be completed at Texas A&M University. 12 hours must be in the major field.

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<th>No</th>
<th>A. Residence-Major 12hrs</th>
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<td>Select from CPSC 300-499.</td>
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<table>
<thead>
<tr>
<th>No</th>
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<td>Select any courses level 300-499.</td>
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Total Credits and GPA: 0.000 .00

unofficial evaluation
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<td>Condition</td>
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<td>A.</td>
<td>Major GPR 43+hrs</td>
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unofficial evaluation

Back to Display Options

Print
Of the 18 hours shown as University Core Curriculum electives, 3 must be from creative arts, 3 from social and behavioral sciences, 6 from American history, and 6 from government/political science. The required 6 hours from international and cultural diversity may be met by courses satisfying the creative arts, social and behavioral sciences, and American history requirements if they are also on the approved list of international and cultural diversity courses.

Computer science electives are to be selected from tracks. See advisor for list of acceptable course choices.

Approved by student's advisor.
Texas Higher Education Coordinating Board
Request to Change Semester Credit Hours

Directions: An institution shall use this form to request a change in the number of semester credit hours (SCH) required for a degree program already on the institution's program inventory in accordance with Coordinating Board Rules, Chapter 5, Subchapter C, Section 5.55 – Revisions to Approved Programs.

Options:

1) Revisions that reduce the number of SCH require notification of change and affirmation that the reduction does not fall below the minimum requirements of the Southern Association of Colleges and Schools Commission on Colleges, program accreditors, and licensing bodies, if applicable.

2) Revisions that increase the number of SCH require detailed written documentation describing the compelling academic reason for the increase in the number of required hours.

NOTE: No request or notification is needed if revisions to the degree program curriculum do not result in a change in SCH.

Options 1 and 2 require the signature of the Provost or Chief Academic Officer.

Please submit Request to Change Semester Credit Hour via the Online Submission Portal: https://www1.thecb.state.tx.us/apps/proposals/

Information: Contact the Division of Workforce, Academic Affairs and Research at 512/427-6200.

Administrative Information

1. Institution: Texas A&M University

2. Program Name – As it appears on the Coordinating Board’s program inventory (e.g., Bachelor of Business Administration degree with a major in Accounting): Bachelor of Science degree with a major in Computer Science

3. Program CIP Code: 11.0701.00

4. Contact Person: Provide contact information for the person who can answer specific questions about the program.

   Name: John Keyser
   Title: Professor and Associate Department Head for Academics
   E-mail: keyser@cse.tamu.edu
   Phone: (979)458-0167
Form for SCH Changes
Page 2

Notification/Request for Change in Semester Credit Hours (SCH):

Current SCH: 126

Proposed SCH: 128

Implementation Date: Fall 2016

Complete Option 1 or 2 as appropriate

Option 1: Reduction in Semester Credit Hours

Is the change in the number of SCH compatible with the requirements of accreditation for the program?

a. Southern Association of Colleges and Schools Commission on Colleges
   □ YES □ NO

b. Program Accreditor(s)
   Name of Program Accreditor: __________________________
   □ YES □ NO □ NA

c. Licensing Body(ies)
   Name of Licensing Body(ies): __________________________
   □ YES □ NO □ NA

Option 2: Increase in Semester Credit Hours

Provide detailed documentation, such as changes in accrediting agency or licensing body requirements, workforce needs, or academic professional standards and needs, describing a compelling reason for the change in the number of SCH:

The change in curriculum is being requested to bring the B.S. in Computer Science program in line with the Common First Year initiative in the Dwight Look College of Engineering at Texas A&M.

The College of Engineering has recently moved to a new model for admission of Freshmen. Rather than admitting students to individual departments or degree programs in the college, all students are admitted as Engineering majors. All Engineering students follow a common first year of study. Students apply for and are admitted into specific majors at the end of the first year. This model has been adopted to allow students to better understand the scope of Engineering, to help students make better informed decisions about their specific major, and to minimize the occurrence of change-of-major requests within the college. It is hoped that this will improve students’ satisfaction with their choice of major, minimize students taking unnecessary courses during their studies, and improve students’ time to graduation.

As part of the College of Engineering, students wishing to pursue a B.S. degree in Computer Science will also be part of this common pool of Engineering students, and will be advised to take the common first year of Engineering courses. While almost all of the courses in the common first year have been applicable to the B.S. in Computer Science degree, two courses in the common first year have not previously been part of the B.S. in Computer Science degree. Specifically, these are ENGR 111 and ENGR 112 (Foundations of Engineering I and II), each of which is a 2-hour course.
Form for SCH Changes
Page 3

The proposed curriculum revision adds these courses to the Computer Science degree. If this is not done, students who end up pursuing Computer Science degrees would have taken courses not applicable to their degrees. In order to add these 4 hours of courses, we are reducing the general elective requirement by 2 hours, and increasing the program length by 2 hours to 128 hours. This is being done to most easily accommodate the common first year requirement, while minimizing changes to the degree that would result in worse preparation in critical Computer Science topics or jeopardize ABET accreditation. The 128 hours total is also in line with the degree length used in other degrees within the College of Engineering.

Signature of Compliance

I hereby certify that all of the above changes have been approved in accordance with the procedures outlined in Coordinating Board Rules, Chapter 5, Subchapter C, Section 5.55.


Provost/Chief Academic Officer  

Date
CHANGE IN CURRICULUM
Dwight Look College of Engineering
Department of Engineering Technology and Industrial Distribution
BS in Manufacturing and Mechanical Engineering Technology
Texas A&M University
Request for a Change in Curriculum
Undergraduate ✤ Graduate ✤ Professional

1. Program request type:
   ✗ Undergraduate  ☐ Graduate  ☐ First Professional (e.g., DMD, MD, etc.)
   ☐ Degree Program  ☐ Minor  ☐ Certificate

2. Request change for:
   ☐ Degree Program

3. Request submitted by (Department or Program Name):
   Department of Engineering Technology and Industrial Distribution

4. Program Designation and Name
   (e.g., B.A. in History, Minor in History, Certificate in European Union):
   B.S. in Manufacturing and Mechanical Engineering Technology

5. Brief description of change:
   The minimum required student credit hours (SCH) for the BS of Manufacturing and Mechanical Engineering Technology is to be reduced from 129 to 128. This is the result of a required course (MMET 275) changing from 4 SCH to 3 SCH. Aligned our first year curriculum with most majors in the Dwight Look College of Engineering.

6. Rationale for change:
   The change in SCH for MMET 275 will better align with similar courses taken by current Texas A&M students as well as students that are transferring in from other institutions. The alignment of the curriculum will allow first year general engineering students to transfer into the MMET curriculum easier.

7. a. Proposed curriculum attached.
       ☐ Yes  ☐ No
   b. Current catalog curriculum with handwritten edits attached.
       ☐ Yes  ☐ No
   c. Current Howdy degree evaluation with handwritten edits attached.
       ☐ Yes  ☐ No
       Please make sure the attached proposed curriculum, catalog and Howdy degree evaluation match.

8. a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes?
       ☐ Yes  ☐ No
   b. If yes, degree program hours will change from: 129 to: 128
   c. If yes, is the Texas Higher Education Coordinating Board form attached?
       ☐ Yes  ☐ No
       http://www.thecb.state.tx.us/index.cfm?objectid=AF9F7FA-9A92-4F11-2756AD3BBFF01D60

9. If proposed changes affect other unit(s), are letters of support attached?
   ☐ Yes  ☐ No

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UCC/GC, January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:

Dr. Jay Porter
Department Head or Program Chair (Type Name & Sign)  Date

Dean of College  Date

Chair, College Review Committee  Date

Chair, GC or UCC  Date

Questions regarding this form should be directed to Curricular Services at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 04/14
Detail Requirements

Information for Degree Evaluation

This is NOT an official evaluation.

Program Evaluation

Limitation Correspondence: No more than 12 hours of correspondence earned through an accredited institution may be used for an undergraduate degree.
Limitation Combination: Maximum combination of 18 hours of 481, 482, 485 and/or 491 courses may be used for an undergraduate degree.

Program: BS MMET
Campus: College Station
College: Dwight Look College of Engr
Degree: Bachelor of Science
Level: Undergraduate
Major: Manufacturing & Mech Engr Tech
Departments: Eng Tech & Ind Distribution

Catalog Term: Fall 2015 - College Station
Evaluation Term: Fall 2015 - College Station
Expected Graduation Date:
Request Number: 24
Results as of:
Minors:
Concentrations:

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<td>Program GPA: Yes</td>
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<td>Overall GPA: No</td>
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Other Course Information:
Transfer:

This is NOT an official evaluation.

Area Major Coursework (68.000 credits) - Met

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<td>AND C. ENTC 207</td>
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<tr>
<td>No</td>
<td>AND L. ENTC 380</td>
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https://compass-ssst.tamu.edu/pls/FRGCDbwckcapp.P_VerifyDispEvalViewOption
### Detail Requirements

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<td>Select a course approved by the program director. Must have a grade of 'C' or better.</td>
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Total Credits and GPA 0.000 .00

### Area Supporting Coursework (14.000 credits) - Not Met

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Total Credits and GPA 0.000 .00

### Area Communication (8.000 credits) - Not Met

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<td>Must have a grade of 'C' or better.</td>
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<tr>
<td>No</td>
<td>B.</td>
<td></td>
<td>Communication</td>
<td>3hrs</td>
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<td></td>
<td>Select from ENGL 210, COMM 203, 205.</td>
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Total Credits and GPA 0.000 .00

unofficial evaluation

https://compass-ssb.tamu.edu/pls/PROD/wvckcapp.P_VerifyDispEvalViewOption
### Area Mathematics (8.000 credits) - Not Met

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<th>Term Subject</th>
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Must make a grade of 'C' or better.

Total Credits and GPA 0.000 .00

### Area Life and Physical Sciences (12.000 credits) - Not Met

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Must make a grade of 'C' or better.

Total Credits and GPA 0.000 .00

### Area Language, Philosophy & Culture (3.000 credits) - Not Met

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Total Credits and GPA 0.000 .00

### Area Creative Arts (3.000 credits) - Not Met

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<tbody>
<tr>
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<td>Creativ</td>
<td>Arts Require</td>
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</tr>
<tr>
<td>A</td>
<td>Creativ</td>
<td>Arts Requirement</td>
<td>Select three hours from any course with the Creative Arts attribute (KCR).</td>
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Total Credits and GPA 0.000 .00

### Area Social and Behavioral Sciences (3.000 credits) - Not Met

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<tr>
<td>A</td>
<td>Social Science Require</td>
<td>Select from courses with the Social and Behavioral Science attribute (KSSC).</td>
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</table>

Total Credits and GPA 0.000 .00

unofficial evaluation

https://compass-snb.tamu.edu/pls/PRODbwckcapp.P_VerifyDispEvalViewOption
### Dalai Requirements

**Area:** Citizenship (12.000 credits) - Not Met  
**Description:** Completion of 4 semesters of Upper-Level ROTC may be substituted for 3 hours of American History and 3 hours of Political Science.

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition Rule Subject</th>
<th>Attribute Low</th>
<th>High Required</th>
<th>Required Term</th>
<th>Subject Course Title</th>
<th>Attribute Credits</th>
<th>Grade</th>
<th>Source</th>
<th>Courses</th>
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</thead>
<tbody>
<tr>
<td>No</td>
<td>A. American History</td>
<td>6hrs</td>
<td></td>
<td></td>
<td></td>
<td>(KHS) attribute</td>
<td></td>
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<td>AND</td>
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<tr>
<td></td>
<td>B. Political Science</td>
<td>6hrs</td>
<td></td>
<td></td>
<td>Take POLS 206 and</td>
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<td>POLS 207</td>
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</table>

**Total Credits and GPA:** 0.000 .10

**unofficial evaluation**

**Area:** Work Not Applied - Met  
**Description:** See advisor for acceptable substitutions.

<table>
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<tr>
<th>Met</th>
<th>Condition Rule Subject</th>
<th>Attribute Low</th>
<th>High Required</th>
<th>Required Term</th>
<th>Subject Course Title</th>
<th>Attribute Credits</th>
<th>Grade</th>
<th>Source</th>
<th>Courses</th>
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</thead>
<tbody>
<tr>
<td>No</td>
<td>A. Courses not applied</td>
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</tr>
</tbody>
</table>

**Total Credits and GPA:** 0.000 .10

**unofficial evaluation**

**Area:** University Writing Requirement - Not Met  
**Description:** Two courses required. Only sections of ENGL 412; ENGR 402; PHIL 492 that Writing attribute [WRIT] may be used to satisfy this requirement.

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<thead>
<tr>
<th>Met</th>
<th>Condition Rule Subject</th>
<th>Attribute Low</th>
<th>High Required</th>
<th>Required Term</th>
<th>Subject Course Title</th>
<th>Attribute Credits</th>
<th>Grade</th>
<th>Source</th>
<th>Courses</th>
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</thead>
<tbody>
<tr>
<td>No</td>
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</tr>
</tbody>
</table>

**Total Credits and GPA:** 0.000 .10

**unofficial evaluation**

**Area:** Int'l & Cult Diversity - Not Met  
**Description:** Select from courses with the International and Cultural Diversity attribute [ICD] (except sections of BUSI 289 with the UWRT attribute).

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition Rule Subject</th>
<th>Attribute Low</th>
<th>High Required</th>
<th>Required Term</th>
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<th>Attribute Credits</th>
<th>Grade</th>
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<th>Courses</th>
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<tbody>
<tr>
<td>No</td>
<td>A. Int'l &amp; Cultural</td>
<td>6hrs</td>
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</tbody>
</table>

**Total Credits and GPA:** 0.000 .10

**unofficial evaluation**

**Area:** Foreign Language - Not Met  
**Description:** Complete one of the following.  
1. Two years of the same foreign language in High School.  
2. A two semester sequence of the same foreign language for University credit.

<table>
<thead>
<tr>
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<th>Condition Rule Subject</th>
<th>Attribute Low</th>
<th>High Required</th>
<th>Required Term</th>
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<th>Attribute Credits</th>
<th>Grade</th>
<th>Source</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A. Foreign Language</td>
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**Total Credits and GPA:** 0.000 .10

https://compass-ssb.tamu.edu/pls/PRODbwckapp.P_VerifyDispEvalViewOption
unofficial evaluation

<table>
<thead>
<tr>
<th>Area</th>
<th>Residence Requirement - Net Not Net</th>
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<tbody>
<tr>
<td>Description</td>
<td>A minimum of 36 hours of 300-400 level coursework must be completed at Texas A&amp;M University. 12 hours must be in the major field.</td>
</tr>
<tr>
<td>Met</td>
<td>Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Grade Source</td>
</tr>
<tr>
<td>No</td>
<td>A. Residence-Major 12hrs</td>
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<td></td>
<td>Select from ENGG 407-499, ENTC 300-499, IDS 300.</td>
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<td>AND</td>
</tr>
<tr>
<td>No</td>
<td>B. Residence 300-499 24hrs</td>
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<td>Select any courses level 300-499.</td>
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Total Credits and GPA 8.000 0.0

unofficial evaluation

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<thead>
<tr>
<th>Area</th>
<th>GPR-Major - Not Net</th>
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<tr>
<td>Description</td>
<td>Must maintain a 2.0 GPA in courses listed below.</td>
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<tr>
<td>Met</td>
<td>Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Grade Source</td>
</tr>
<tr>
<td>No</td>
<td>A. Major GPR 88+hrs</td>
</tr>
<tr>
<td></td>
<td>Includes: CHEM 102, 107, CPSC 206, ENGG 105, 407, 481, 483, 492, ENTC 300-499, IDS 300, MATH 151-152, PHYS 205, 216, 219, STAT 211.</td>
</tr>
</tbody>
</table>

Total Credits and GPA 0.000 0.0

unofficial evaluation

Back to Display Options

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Texas Higher Education Coordinating Board
Request to Change Semester Credit Hours

Directions: An institution shall use this form to request a change in the number of semester credit hours (SCH) required for a degree program already on the institution’s program inventory in accordance with Coordinating Board Rules, Chapter 5, Subchapter C, Section 5.55 – Revisions to Approved Programs.

Options:

1) Revisions that **reduce** the number of SCH require notification of change and affirmation that the reduction does not fall below the minimum requirements of the Southern Association of Colleges and Schools Commission on Colleges, program accreditors, and licensing bodies, if applicable.

2) Revisions that **increase** the number of SCH require detailed written documentation describing the compelling academic reason for the increase in the number of required hours.

NOTE: No request or notification is needed if revisions to the degree program curriculum do not result in a change in SCH.

Options 1 and 2 require the signature of the Provost or Chief Academic Officer.

Please submit Request to Change Semester Credit Hour via the Online Submission Portal: https://www1.thecb.state.tx.us/apps/proposals/

Information: Contact the Division of Workforce, Academic Affairs and Research at 512/427-6200.

---

**Administrative Information**

1. **Institution:** Texas A&M University – College Station

2. **Program Name** – Bachelor of Science in Manufacturing and Mechanical Engineering Technology

3. **Program CIP Code:** 15.0613.00

4. **Contact Person:** Provide contact information for the person who can answer specific questions about the program.

   Name: Michael D. Johnson
   Title: Associate Professor and Program Coordinator
   E-mail: mdjohnson@tamu.edu
   Phone: 979-845-4902
Form for SCH Changes
Page 2

Notification/Request for Change in Semester Credit Hours (SCH):

Current SCH: 129

Proposed SCH: 128

Implementation Date: Fall 2016

Complete Option 1 or 2 as appropriate

Option 1: Reduction in Semester Credit Hours

Is the change in the number of SCH compatible with the requirements of accreditation for the program?

a. Southern Association of Colleges and Schools Commission on Colleges
   ☒ YES ☐ NO

b. Program Accreditor(s)
   ☒ YES ☐ NO ☐ NA
   Name of Program Accreditor: Engineering Technology Accreditation Commission of ABET

c. Licensing Body(ies)
   ☐ YES ☐ NO ☒ NA
   Name of Licensing Body(ies): ______________________________________

Option 2: Increase in Semester Credit Hours
Provide detailed documentation, such as changes in accrediting agency or licensing body requirements, workforce needs, or academic professional standards and needs, describing a compelling reason for the change in the number of SCH:

_______________________________
Signature of Compliance

I hereby certify that all of the above changes have been approved in accordance with the procedures outlined in Coordinating Board Rules, Chapter 5, Subchapter C, Section 5.55.

_______________________________
Provost/Chief Academic Officer

_______________________________
Date
Engineering Technology - BS, Manufacturing and Mechanical Engineering Option

Manufacturing and mechanical engineering technology (MMET) prepares students for dynamic careers in industry. Graduates are versatile and effective in diverse areas that require understanding of the dependencies among material properties, product design, costs, manufacturing systems, and process technologies. The student views manufacturing from an enterprise and system perspective, recognizing the importance of customer and supplier interactions. To meet these diverse needs, this specialty provides a foundation of mathematics, science, and specialized technical courses, as well as preparation in oral and written communication. The three main areas of concentration are product design, manufacturing systems integration and automation, and manufacturing competitiveness. Studies in these areas are supported by a solid foundation in materials and manufacturing processes.

Program Mission
The mission of the Manufacturing and Mechanical Engineering Technology program at Texas A&M University is to provide a high-quality, application-oriented education producing professionals who can effectively contribute to leadership, the advancement of manufacturing and mechanical engineering technology, and improved performance of industrial endeavors. The educational mission is complemented by applied research and the development of new interdisciplinary technology that mutually benefits the university and its industrial, governmental, and academic collaborators. The people in the program are committed to providing service and leadership in the promotion and advancement of the University and the profession.

Program Educational Objectives
The MMET program prepares students who after a few years after graduation:

- Demonstrate manufacturing and mechanical technical knowledge, problem solving skills, and implementation skills for careers in design, installation, operations, technical sales, or service functions in industry;
- Demonstrate increasing level of leadership and responsibility;
- Exhibit both immediate and sustainable productivity in a dynamic work environment.

Program Requirements

<table>
<thead>
<tr>
<th>First Year</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>Fall</td>
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</tr>
<tr>
<td>CHEM 107</td>
<td>General Chemistry for Engineering Students and General Chemistry for Engineering Students Laboratory</td>
</tr>
<tr>
<td>&amp;CHEM 117</td>
<td></td>
</tr>
<tr>
<td>ENGD 105</td>
<td>Engineering Graphics</td>
</tr>
<tr>
<td>ENGL 104</td>
<td>Composition and Rhetoric</td>
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<tr>
<td>ENGR 111</td>
<td>Foundations of Engineering I</td>
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<tr>
<td>PHYS 218</td>
<td>Mechanics</td>
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<td>University Core Curriculum</td>
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<th>Semester Credit Hours</th>
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<tr>
<td>Fall</td>
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<tr>
<td>COMM 203 or</td>
<td>Public Speaking or Communication for Technical Professions</td>
</tr>
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<td>COMM 205</td>
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</tr>
<tr>
<td>ENEN 602</td>
<td>Economic Analysis of Engineering Projects</td>
</tr>
<tr>
<td>ENGD 105</td>
<td>Engineering Graphics</td>
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<td>MMET 206</td>
<td>Nonmetallic Materials</td>
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<td>MMET 281</td>
<td>Manufacturing and Assembly Processes II</td>
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<tr>
<td>PHYS 298</td>
<td>Electricity and Optics</td>
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<tr>
<td>STAT 211</td>
<td>Principles of Statistics</td>
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<td>University Core Curriculum</td>
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<table>
<thead>
<tr>
<th>Third Year</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>Fall</td>
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<tr>
<td>ENGR 492/PHIL 482</td>
<td>Ethics and Engineering</td>
</tr>
<tr>
<td>IDS 300</td>
<td>Industrial Electricity</td>
</tr>
<tr>
<td>MMET 303</td>
<td>Fluid Mechanics and Power</td>
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<tr>
<td>MMET 376</td>
<td>Strength of Materials</td>
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<td>MMET 390</td>
<td>Computer-Aided Manufacturing</td>
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<td>University Core Curriculum</td>
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<tr>
<th>Spring</th>
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<tbody>
<tr>
<td>MMET 320</td>
<td>Quality Assurance</td>
</tr>
<tr>
<td>MMET 361</td>
<td>Product Design and Solid Modeling</td>
</tr>
<tr>
<td>MMET 365</td>
<td>Mechanical Design Applications</td>
</tr>
<tr>
<td>MMET 383</td>
<td>Manufacturing Information Systems</td>
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<tr>
<td>Technical elective (300- or 400-level course in ENTC or other technical area - advisor approved)</td>
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</table>

| Term Semester Credit Hours | 16 |
### Fourth Year

#### Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>MMET 370</td>
<td>Thermodynamics for Technologists ²</td>
<td>4</td>
</tr>
<tr>
<td>MMET 402</td>
<td>Inspection Methods and Procedures ²</td>
<td>3</td>
</tr>
<tr>
<td>MMET 410</td>
<td>Manufacturing Automation and Robotics ²</td>
<td>3</td>
</tr>
<tr>
<td>MMET 420</td>
<td>Managing People and Projects in a</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Technological Society ²</td>
<td></td>
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<tr>
<td>MMEC 463</td>
<td>Mechanical Design Applications II ²</td>
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**Term Semester Credit Hours:** 16

#### Spring

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>MMET 412</td>
<td>Production and Inventory Planning ²</td>
<td>3</td>
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<tr>
<td>MMET 422</td>
<td>Manufacturing Technology Projects ²</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Technical elective (advisor approved) ²</td>
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<tr>
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<td>Core Curriculum ¹</td>
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</table>

**Term Semester Credit Hours:** 14

**Total Semester Credit Hours:** 129

---

1. Completion of ENGL 104, MATH 151, MATH 152, CHEM 107/117, PHYS 216, ENDG 105 with a C or better required for degree sequence.

2. Course used to calculate in-major grade point ratio. Grade of C or better is required.

3. Entering students will be given a placement test in mathematics. Test results will be used in selecting the appropriate starting course which may be at a higher level or lower level.

4. Of the 18 hours shown as University Core Curriculum electives, 3 must be from creative arts, 3 from social and behavioral sciences, 6 from American history, and 6 from government/political science. The required 6 hours from International and Cultural Diversity may be met by courses satisfying the creative arts, social and behavioral sciences, and American history requirements if they are also on the approved list of international and cultural diversity courses.

5. Taken fall semester before graduation if student is graduating in spring or summer semester. Taken spring semester before graduation if student is graduating in fall semester.

6. Taken the semester of graduation if student is graduating in spring or fall semester. Taken spring semester before graduation if student is graduating in summer semester.

7. Students interested in Co-op may use ENGR 385 for up to 3 semester credit hours. ENTC 485 is not for general use as a technical elective.

The curriculum lists the minimum number of classes required for graduation. Additional courses may be taken.
### Freshman Year

<table>
<thead>
<tr>
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<th>Name</th>
<th>Credits</th>
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<tr>
<td>ENGL</td>
<td>104</td>
<td>Composition and Rhetoric</td>
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<td>ENGR</td>
<td>111</td>
<td>Foundations in Engineering I</td>
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<tr>
<td>MATH</td>
<td>151</td>
<td>Engineering Mathematics I</td>
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<tr>
<td>PHYS</td>
<td>218</td>
<td>Mechanics</td>
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<td>University Core Curriculum elective</td>
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### Sophomore Year

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<tr>
<td>ENDG</td>
<td>105</td>
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<tr>
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<td>181</td>
<td>Mfg. and Assembly Proc. I</td>
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<tr>
<td>COMM</td>
<td>205</td>
<td>203 or Public Speaking or Communication for Technical Professions</td>
<td>3</td>
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<tr>
<td>MMET</td>
<td>206</td>
<td>Nonmetallic Materials</td>
<td>3</td>
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<tr>
<td>STAT</td>
<td>211</td>
<td>Principles of Statistics I</td>
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### Junior Year

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<tbody>
<tr>
<td>ENGR/PHIL</td>
<td>482</td>
<td>Ethics and Engineering</td>
<td>3</td>
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<td>IDIS</td>
<td>300</td>
<td>Industrial Electricity</td>
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<td>MMET</td>
<td>303</td>
<td>Fluid Mechanics and Power</td>
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<td>MMET</td>
<td>376</td>
<td>Strength of Materials</td>
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<td>MMET</td>
<td>380</td>
<td>Computer-Aided Mfg.</td>
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### Senior Year

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<tbody>
<tr>
<td>MMET</td>
<td>370</td>
<td>Thermodynamics for Technologists</td>
<td>4</td>
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<tr>
<td>MMET</td>
<td>402</td>
<td>Inspection Methods and Procedures</td>
<td>3</td>
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<td>MMET</td>
<td>410</td>
<td>Manufacturing Automation and Robotics</td>
<td>3</td>
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<td>Managing People and Projects in a Technological Society</td>
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<td>MMET</td>
<td>429</td>
<td>Society</td>
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<tr>
<td>MMET</td>
<td>463</td>
<td>Mechanical Design Applications II</td>
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<tr>
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<td><strong>Total</strong></td>
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**Total Credits: 128**
CHANGE IN CURRICULUM

Dwight Look College of Engineering
Department of Engineering Technology and Industrial Distribution
BS in Industrial Distribution
Texas A&M University
Request for a Change in Curriculum
Undergraduate • Graduate • Professional

1. Program request type:
   - ☒ Undergraduate
   - ☐ Graduate
   - ☐ First Professional (ex. DVM, JD, MD, etc.)

2. Request change for:
   - ☒ Degree Program
   - ☐ Minor
   - ☐ Certificate

3. Request submitted by (Department or Program Name):
   - Industrial Distribution

4. Program Designation and Name
   (e.g., B.A. in History, Minor in History, Certificate in European Union):
   - B.S. in Industrial Distribution

5. Brief description of change:
   - Remove ENDG 103, MMET 181, MMET 206, MMET 207, and IDIS Elective. Add ENGR 111 and ENGR112, MMET 201, IDIS 433 and IDIS 450. Align our first year courses with most engineering majors in the Dwight Look College of Engineering.

6. Rationale for change:
   - Improvement in Industrial Distribution curriculum to accelerate the analytical and salesforce development skills and knowledge of our graduates.

Use the checkboxes below to make sure that all information is included.

7. a. Proposed curriculum attached.
   - ☒ Yes
   - ☐ No

   b. Current catalog curriculum with handwritten edits attached.
   - ☒ Yes
   - ☐ No

   c. Current Howdy degree evaluation with handwritten edits attached.
   - ☒ Yes
   - ☐ No

   Please make sure the attached proposed curriculum, catalog and Howdy degree evaluation match.

8. a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes?
   - ☐ Yes
   - ☒ No

   b. If yes, degree program hours will change from: _________ to: _________

   c. If yes, is the Texas Higher Education Coordinating Board form attached?
   - ☐ Yes
   - ☒ No

   http://www.thecb.state.tx.us/index.cfm?objectid=A0F9F7FA-9A92-4F11-2756AD3BBF01D60

9. If proposed changes affect other unit(s), are letters of support attached?
   - ☐ Yes
   - ☒ No

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UCC/GC, January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:

[Signature]
Department Head or Program Chair (Type Name & Sign) Date

[Signature]
Dean of College Date

[Signature]
Chair, College Review Committee Date

[Signature]
Chair, GC or UCC Date

Questions regarding this form should be directed to Curricular Services at 845-8201 or sandra-williams@tamu.edu.
Curricular Services – 04/14
**Industrial Distribution - BS**

Industrial distribution prepares men and women for sales engineering, sales management and mid-management positions with manufacturers who sell through distributors and with wholesale distributors who purchase, warehouse, sell, distribute and service a wide variety of industrial products. Industry segments include: automation solutions; general line; building materials; chemical and petrochemical; electrical; electronics; semiconductor; fluid power; heating, ventilation and air conditioning; mechanical power; metals; plastics; plumbing; safety equipment; specialty tools; and welding. The day-to-day challenges faced by the industrial distributor or the manufacturer's representative require the person to be a professional with many capabilities. To fulfill this demand, the curriculum provides study in business, communications, information technology, applied technology, engineering and human relations. This knowledge is applicable to the graduate in relationships with executives, managers, engineers, scientists and craftsmen while assisting them in their manufacturing, plant maintenance or construction operations. The industrial distribution graduate assists them by direct application of operations, business and product knowledge. Essentially the industrial distribution graduate becomes a special assistant in the other person's business—a challenging and rewarding profession. Graduates receive the Bachelor of Science degree in Industrial Distribution.

**Program Requirements**

<table>
<thead>
<tr>
<th>First Year</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>Fall</td>
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<tr>
<td>ENGR 111</td>
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<td>PHYS 218</td>
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<tr>
<td>ENGR 165</td>
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<td>ENGL 103 or ENGL 104</td>
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<tr>
<td>DIS 240</td>
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<td>MATH 151</td>
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<td>University Core Curriculum</td>
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<td>Spring</td>
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<tr>
<td>CHEM 107</td>
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<tr>
<td>&amp; CHEM 117</td>
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<td>MATH 152</td>
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<td>PHYS 218</td>
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<tr>
<td>Second Year</td>
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<tr>
<td>Fall</td>
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<tr>
<td>ACCT 209</td>
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<td>ECON 262</td>
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<td>PHYS 208</td>
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<td>STAT 201 or STAT 303</td>
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<td>DIS 240</td>
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<td>MMET 201</td>
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**Third Year**

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<td>DIS 300</td>
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<td>MMET 207</td>
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<tr>
<td>DIS 340</td>
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<td>DIS 343</td>
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**Fourth Year**

<table>
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<tr>
<td>DIS 400</td>
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<tr>
<td>DIS 424</td>
<td>3</td>
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<tr>
<td>DIS 464</td>
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<tr>
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</table>

Select one of the following:

- DIS 420 Contemporary Topics in Electronics Distribution: Going Green
- DIS 421 Healthcare Distribution Networks
- DIS 424 International Sales and Marketing
- DIS 454 New Directions in Distributor Competitiveness
- DIS 455 Humanitarian Distribution Networks
- DIS 489 Special Topics in...

**Directed Elective**

**Spring**

<table>
<thead>
<tr>
<th>Semester Credit Hours</th>
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<tr>
<td>DIS 450</td>
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**Directed Elective**

<table>
<thead>
<tr>
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**Directed Elective**

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<tbody>
<tr>
<td>DIS 431</td>
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<tr>
<td>Course</td>
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</tr>
<tr>
<td>DIS 444 Ethics and Leadership in Distribution</td>
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<tr>
<td>Directed elective</td>
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<td>University Core Curriculum</td>
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<tr>
<td><strong>Term Semester Credit Hours</strong></td>
</tr>
<tr>
<td><strong>Total Semester Credit Hours</strong>:</td>
</tr>
</tbody>
</table>

1. Course used to calculate in-major grade point ratio. Grade of C or better is required.
2. Completion of ENGL 104, MATH 151, MATH 152, CHEM 107/117, and PHYS 218 with a C or better in each course are required for admission to upper level.
3. Entering students will be given a placement test in mathematics. Test results will be used in selecting the appropriate starting course which may be at a higher level or lower level.
4. Of the 18 hours shown as University Core Curriculum electives, 3 must be from creative arts, 3 from social and behavioral sciences, 6 from American history, and 6 from government/political science. The required 6 hours from international and cultural diversity may be met by courses satisfying the creative arts, social and behavioral sciences, and American history requirements if they are also on the approved list of international and cultural diversity courses.
5. IDIS 485 is not for general use as a technical elective.
6. The Advising Office has the list of acceptable directed electives.

The curriculum lists the minimum number of classes required for graduation. Additional courses may be taken.
### Industrial Distribution Catalog 137
2011-2015

#### Freshman Year

<table>
<thead>
<tr>
<th>First Semester</th>
<th>(Th-Pr)</th>
<th>Cr</th>
<th>Second Semester</th>
<th>(Th-Pr)</th>
<th>Cr</th>
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<td>IDIS 240 Intro to Industrial Dist.</td>
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<td>MATH 152 Engineering Mathematics (II)</td>
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<td>MATH 151 Engineering Mathematics I</td>
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<td>PHYS 218 Engr. Phys. Mechanics</td>
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<td>CHEM 107 Gen. Chem. for Engr. Stu.</td>
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<td>ENGR 111J Intro Foundations of Engr</td>
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<td>CHEM 117 Gen. Chem. for Engr. Stu. Lab</td>
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<td>ENGR 112 Foundations of Engr (II)</td>
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<td>ECON 203 Econ. of Microeconomics</td>
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#### Sophomore Year

<table>
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<tr>
<th>First Semester</th>
<th>(Th-Pr)</th>
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<th>Second Semester</th>
<th>(Th-Pr)</th>
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<td>MGMT 206 Nonmetallic Materials</td>
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<td>MGMT 211/211 Business Law</td>
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<td>STAT 201 or STAT 303</td>
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<td>ISYS 209 Busn. Info. Syst. Concept</td>
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<tr>
<td>MGMT 201 Manual &amp; Mfrs.</td>
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<td>ACCT 205 Survey of Accnt. Prin.</td>
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<td>3</td>
<td>ECON 203 Econ. of Macroeconomics</td>
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#### Junior Year

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<th>Second Semester</th>
<th>(Th-Pr)</th>
<th>Cr</th>
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<tr>
<td>University Core Curriculum</td>
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<td>IDIS 303 Mech. Pwr. Transmission</td>
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<td>IDIS 300 Industrial Electricity</td>
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<td>ENGL 210 or ENGL 301</td>
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<tr>
<td>MGMT 207 Metallic Materials</td>
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<td>IDIS 330 Sales Engineering</td>
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<tr>
<td>IDIS 343 Distribution Logistics</td>
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<td>IDIS 344 Dist. Info. &amp; Control Sys.</td>
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<td>IDIS 340 Mfg. Dist. Relations</td>
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#### Senior Year

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<th>Second Semester</th>
<th>(Th-Pr)</th>
<th>Cr</th>
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<td>University Core Curriculum</td>
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<tr>
<td>IDIS 400 Industrial Automation</td>
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<td>IDIS 403 Fluid Power Technology</td>
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<td>IDIS 360 Dist. Mgmt.</td>
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<td>IDIS 444 Leadership in Technology</td>
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<td>IDIS 424 Purchasing Apps. in Dist.</td>
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<td>IDIS 434 Quality Process for Dist.</td>
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<td>IDIS 423 Ind. Sales Force Dev.</td>
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<td>IDIS 450 Dist. Ops. &amp; Finc. Mgmt.</td>
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<td>IDIS 450 Dist. Ops. &amp; Finc. Mgmt.</td>
<td>(3-0)</td>
<td>3</td>
<td></td>
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</tr>
</tbody>
</table>

### Notes:
1. Course used to calculate in-major grade point ratio. Grade of C or better is required.
2. Completion of ENGL 104, MATH 151, MATH152, CHEM 107/117, and PHYS 218 with a C or better in each course are required for admission to upper level.
3. Entering students will be given a placement test in mathematics. Test results will be used in selecting the appropriate starting course which may be at a higher level or lower level.
4. Of the 18 hours shown as University Core Curriculum electives, 3 must be from creative arts, 3 from social and behavioral sciences, 6 from American history, and 6 from government/political science. The required 6 hours from international and cultural diversity may be met by courses satisfying the creative arts, social and behavioral sciences, and American history requirements if they are also on the approved list of international and cultural diversity courses.
5. IDIS 485 is not for general use a technical elective.
6. The Advising Office has the list of acceptable directed electives.

The curriculum lists the minimum number of classes required for graduation. Additional courses may be taken.
### Detail Requirements

**Information for Degree Evaluation**

This is NOT an official evaluation.

---

**Program Evaluation**

- **Limitation Correspondence:** No more than 12 hours of correspondence earned through an accredited institution may be used for an undergraduate degree.
- **Limitation Combination:** Maximum combination of 18 hours of 481, 482, 485 and/or 491 courses may be used for an undergraduate degree.

<table>
<thead>
<tr>
<th>Program</th>
<th>BS IDIS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Campus</td>
<td>College Station</td>
</tr>
<tr>
<td>College</td>
<td>Dwight Look College of Engr</td>
</tr>
<tr>
<td>Degree</td>
<td>Bachelor of Science</td>
</tr>
<tr>
<td>Level</td>
<td>Undergraduate</td>
</tr>
<tr>
<td>Majors</td>
<td>Industrial Distribution</td>
</tr>
<tr>
<td>Departments</td>
<td>Eng Tech &amp; Ind Distribution</td>
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<table>
<thead>
<tr>
<th>Catalog Term</th>
<th>Fall 2015 - College Station</th>
</tr>
</thead>
<tbody>
<tr>
<td>Evaluation Term</td>
<td>Fall 2015 - College Station</td>
</tr>
<tr>
<td>Expected Graduation Date</td>
<td>19</td>
</tr>
<tr>
<td>Request Number</td>
<td>Oct 12, 2015</td>
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**Met Credits Courses**

<table>
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<tr>
<th>Met Credits</th>
<th>Courses</th>
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<tbody>
<tr>
<td>Total Required</td>
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<tr>
<td>Program GPA</td>
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</tr>
<tr>
<td>Overall GPA</td>
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<tr>
<td>Other Course Information</td>
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This is NOT an official evaluation.

---

**Area Major Coursework (96.000 credits) - Not Met**

**Met Condition Rule Subject Attribute Low High Required Credits Required Courses**

<table>
<thead>
<tr>
<th>No</th>
<th>A. ENGE 203</th>
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</thead>
<tbody>
<tr>
<td>No AND D. IDIS 240</td>
<td>MMET 2.0</td>
</tr>
</tbody>
</table>

| No AND E. IDIS 300 | |
| No AND F. IDIS 303 | |
| No AND G. IDIS 340 | |
| No AND H. IDIS 343 | |
| No AND I. IDIS 344 | |
| No AND J. IDIS 444 | |
| No AND K. IDIS 400 | |
| No AND L. IDIS 443 | |

Must make a grade of 'C' or better.

Select from IDIS 400, 421, 445, 454, 455, 459.

---

https://www.ncc.edu/tomcat/eng/degree/program/Engr/Industrial/Measurement.html
<table>
<thead>
<tr>
<th>No</th>
<th>AND</th>
<th>N.</th>
<th>1015 424</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>AND</td>
<td>O.</td>
<td>1015 330 or 430</td>
</tr>
<tr>
<td>No</td>
<td>AND</td>
<td>P.</td>
<td>1015 434</td>
</tr>
<tr>
<td>No</td>
<td>AND</td>
<td>Q.</td>
<td>1015 444</td>
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Total Credits and GPA 0.000 0.0

unofficial evaluation 1015 450

<table>
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<tr>
<th>Area Supporting Coursework (27.000 credits) - Not Met</th>
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<tr>
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<tr>
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<tr>
<td>No</td>
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<tr>
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</table>

See advisor for list of approved courses.

| ENGR 117 |
| ENGR 112 |

Total Credits and GPA 0.000 0.0

Area Communication (6.000 credits) - Not Met

<table>
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<th>Met</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low High</th>
<th>Required Credits</th>
<th>Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>ENGL 104 or ENGL 103</td>
<td></td>
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</table>

Must make a grade of 'C' or better.

| No  | B.        | Technical Writing \(3\)hrs |

Select from ENGL 210, 205, 203, 205

| ENGL 301 |

Total Credits and GPA 0.000 0.0

Area Mathematics (8.000 credits) - Not Met

<table>
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<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low High</th>
<th>Required Credits</th>
<th>Required Courses</th>
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</thead>
<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>MATH 151</td>
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</table>

Must make a grade of 'C' or better.

| No  | B.        | MATH 152 |

Must make a grade of 'C' or better.

Total Credits and GPA 0.000 0.0

Area Life and Physical Sciences (12.000 credits) - Not Met

| Met | Condition | Rule | Subject | Attribute | Low High | Required Credits | Required Courses |

unofficial evaluation

Area Language, Philosophy & Culture (3.000 credits) - Not Met:

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low High Required</th>
<th>Credits</th>
<th>Required Courses</th>
<th>Term Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Grade</th>
<th>Source</th>
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</thead>
<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>Lang, Phil, Culture Right 3hrs</td>
<td>Select any course with the Language, Philosophy and Culture attribute [KPC].</td>
<td></td>
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Total Credits and GPA 0.000 0.00

unofficial evaluation

Area Creative Arts (3.000 credits) - Not Met:

<table>
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<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low High Required</th>
<th>Credits</th>
<th>Required Courses</th>
<th>Term Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Grade</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>Creative Arts Requirement</td>
<td>Select three hours from any course with the Creative Arts attribute [RCRA].</td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

Total Credits and GPA 0.000 0.00

unofficial evaluation

Area Social and Behavioral Science (3.000 credits) - Not Met:

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low High Required</th>
<th>Credits</th>
<th>Required Courses</th>
<th>Term Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Grade</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>ECON 202</td>
<td></td>
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</tbody>
</table>

Total Credits and GPA 0.000 0.00

unofficial evaluation

Area Citizenship (12.000 credits) - Not Met:

Description: Completion of 4 semesters of Upper-Level ROTC may be substituted for 3 hours of American History and 3 hours of Political Science.

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low High Required</th>
<th>Required-term</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Grade</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>American History Right 6hrs</td>
<td>Select from any course with the [KHIS] attribute</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>AND</td>
<td>B.</td>
<td>Political Science Right 6hrs</td>
<td>Take POLS 306 and POLS 307</td>
<td></td>
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</tbody>
</table>

Total Credits and GPA 0.000 0.00

unofficial evaluation

Area Directed Electives (7.000 credits) - Not Met:

https://brownpacer.ech.tamu.edu/index/GRIT/AcademicP/VerifyDinFullView/Option
<table>
<thead>
<tr>
<th>No</th>
<th>A.</th>
<th>General Electives 7 hrs</th>
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unofficial evaluation

<table>
<thead>
<tr>
<th>Area</th>
<th>Work Not Applied - Met</th>
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</thead>
<tbody>
<tr>
<td>Description</td>
<td>See advisor for acceptable substitutions.</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>No</th>
<th>A.</th>
<th>Courses not applied</th>
</tr>
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</table>

unofficial evaluation

<table>
<thead>
<tr>
<th>Area</th>
<th>University Writing Requirement - Not Met</th>
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</thead>
</table>

<table>
<thead>
<tr>
<th>No</th>
<th>A.</th>
<th>Writing Requirement</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>Two courses required.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Only sections of ENSR 410, 482, IDS 303, 340, 403, 220, 424, 489</td>
</tr>
<tr>
<td></td>
<td></td>
<td>with the Writing attribute [WRT] or Oral Communication attribute [ORC] may be used to satisfy this requirement.</td>
</tr>
</tbody>
</table>

| Total Credits and GPA | 0.000 | .00 |

unofficial evaluation

<table>
<thead>
<tr>
<th>Area</th>
<th>Int'l &amp; Cult Diversity - Not Met</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>No</th>
<th>A.</th>
<th>Int'l &amp; Cultural Diversity 6 hrs</th>
</tr>
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<tbody>
<tr>
<td></td>
<td></td>
<td>Select from courses with the International and Cultural Diversity attribute [UCID] (except sections of BUSN 280 with the UCID attribute).</td>
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</table>

| Total Credits and GPA | 0.000 | .00 |

unofficial evaluation

<table>
<thead>
<tr>
<th>Area</th>
<th>Foreign Language - Not Met</th>
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<table>
<thead>
<tr>
<th>No</th>
<th>A.</th>
<th>Foreign Language 6 hrs</th>
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<tr>
<td></td>
<td></td>
<td>Complete one of the following:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1. Two years of the same foreign language in High School.</td>
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<tr>
<td></td>
<td></td>
<td>2. A two semester sequence of the same foreign language for University credit.</td>
</tr>
</tbody>
</table>

| Total Credits and GPA | 0.000 | .00 |
unofficial evaluation

Area: Residence Requirement - Not Met
Description: A minimum of 36 hours of 300-400 level coursework must be completed at Texas A&M University, 12 hours must be in the major field.

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required</th>
<th>Required</th>
<th>Term</th>
<th>Subject</th>
<th>Course</th>
<th>Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Courses</th>
<th>Grade</th>
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<tbody>
<tr>
<td>A.</td>
<td>Residence-Major 12hrs</td>
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<tr>
<td></td>
<td>Select from IDT5 200, 300, 330, 340, 343, 364, 400, 403, 420, 424, 434, 444, 454, 455.</td>
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<tr>
<td>No</td>
<td>AND</td>
<td>B.</td>
<td>Residence 300-499 24hrs</td>
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<td></td>
<td>Select any courses level 300-499</td>
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Total Credits and GPA: 0.000 00

unofficial evaluation

Area: GPR-Major - Not Met

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<th>Condition Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required</th>
<th>Required</th>
<th>Term</th>
<th>Subject</th>
<th>Course</th>
<th>Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Courses</th>
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<th>Source</th>
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<tbody>
<tr>
<td>A.</td>
<td>Major GPR 75hrs</td>
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<td>Select from ACCT 202, ECON 202, 301, 303, 330, 331, 333, 340, 341, 344, 364, 400, 403, 420, 424, 430, 434, 444, 445, 459, 1575 209, MGMT 211, STAT 281, 283, ENGL 241, COHN 203, COHN 205, IDT5 451,</td>
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<td>105, 433, 1015 456, ENGR 111, ENGR 112, 114</td>
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</table>

Total Credits and GPA: 0.000 00

unofficial evaluation

Back to Display Options

Print
INDUSTRIAL DISTRIBUTION  
Catalog 139  
Fall 2016

Industrial distribution prepares men and women for sales engineering, technical sales, supply chain management, operations management, sales management and other managerial positions. Students are prepared for employment in industry segments that include: aerospace; automation solutions; building materials; chemical and petrochemical; electrical; electronics; information systems and technology; healthcare; fluid power; general line; heating, ventilation and air conditioning; management consulting; mechanical power; metals; oil and gas; plastics; pipe, valve, and fittings; plumbing; safety equipment; semiconductor; specialty tools; and welding. The day-to-day challenges faced by the industrial distributor or the manufacturer's representative require the person to be a professional with many capabilities. To fulfill this demand, the curriculum provides study in business, communications, finance, information technology, applied technology, general management, engineering, ethics, and human relations. This knowledge is applicable to the graduate in relationships with executives, managers, engineers, scientists, and business analysts while taking leadership roles in their manufacturing, distribution, analysis, service, production planning and maintenance or construction operations. The industrial distribution graduate assists these preceding entities by direct application of operations, business, and product knowledge. Essentially the industrial distribution graduate becomes a consultative resource to businesses - a challenging and rewarding career that can lead to the possibility of becoming a business leader in multiple segments. Graduates receive the Bachelor of Science degree in Industrial Distribution.

<table>
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<th>FRESHMAN YEAR</th>
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<tbody>
<tr>
<td><strong>First Semester</strong></td>
</tr>
<tr>
<td>ENGL 104</td>
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<td>ENGR 111</td>
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<tr>
<td>MATH 151</td>
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<tr>
<td>PHYS 218</td>
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<table>
<thead>
<tr>
<th>SOPHOMORE YEAR</th>
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<tbody>
<tr>
<td><strong>First Semester</strong></td>
</tr>
<tr>
<td>IDIS 240</td>
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<td>MMET 201</td>
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<tr>
<th>JUNIOR YEAR</th>
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<td><strong>First Semester</strong></td>
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<table>
<thead>
<tr>
<th>SENIOR YEAR</th>
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<tr>
<td><strong>First Semester</strong></td>
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<tr>
<td>IDIS 400</td>
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<td>IDIS 424</td>
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<td>IDIS 433</td>
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<td>IDIS 450</td>
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<td>IDIS 464</td>
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Notes:
1. Course used to calculate In-major grade point ratio
2. Completion of ENGL 104, MATH 151, MATH 152, CHEM 107, PHYS 218, and IDIS 240 with a C or better in each course is required before taking upper level classes.
3. Entering students will be given a placement test in mathematics. Test results will be used in selecting the appropriate starting course which may be at a higher level or lower level.
4. Of the 18 hours shown as University Core Curriculum electives, 3 must be from creative arts, 3 from language, philosophy, and culture, 6 from American history, and 6 from governmental/political science. The required 6 hours from international and cultural diversity may be met by courses satisfying the creative arts or the language, philosophy, and culture requirements if they are also on the approved list of international and cultural diversity course.
5. The Advising Office has the list of acceptable directed electives and technical electives.

The curriculum lists the minimum number of classes required for graduation. Additional courses must be taken.
INDUSTRIAL DISTRIBUTION
Texas A&M University
Catalogs 139 - Fall 2016 - 126 Hours

**FRESHMAN**
- **FALL 15**
  - Core Curriculum Courses
    - HIST Elec. 3 credits
    - POLS 206 3.0-3 Amer. Hist Govt
  - PHYS 218 3.3-4 Mechanics
  - MATH 151 3.2-4 Engineering Math I
- **SPRING 17**
  - Core Curriculum Courses
    - POLS 206 3.0-3 Amer. Hist Govt
    - PHYS 208 3.3-4 Electricity and Optics
  - MATH 152 3.2-4 Engineering Math II

**SOPHOMORE**
- **FALL 14**
  - Core Curriculum Courses
    - HIST Elec. 3 credits
    - POLS 207 3.0-3 State & Local Govt
  - CHEM 107 4.2-2 Chem for Engr
  - ENGL 104 3.0-3 Comp & Rhetoric
- **SPRING 15**
  - Core Curriculum Courses
    - POLS 207 3.0-3 State & Local Govt
    - CHEM 117 4.0-1 Chem for Engr Lab

**JUNIOR**
- **FALL 17**
  - Core Curriculum Courses
    - Language, Philsphy, & Cult 3 credits
    - Int'l & Ctl Divs Elec 3 credits
  - ENGR 111 3.0-2 Foundations of Engr I
  - ENGR 112 3.0-2 Foundations of Engr II
- **SPRING 16**
  - Core Curriculum Courses
    - Tech Elec. 3 credits
    - Idntical Elec 3 credits

**SENIOR**
- **FALL 16**
  - Core Curriculum Courses
    - Dirctd Elec 4 credits
    - Creative Arts 3 credits
- **SPRING 16**
  - Core Curriculum Courses
    - Idntical Elec 3 credits

---

**Prerequisites**
- 240 - Open to anyone 3ICX - ID330
- 300 - PHYS 208 424 - ID340, ID344
- 303 - PHYS 218 433 - ID330
- 330 - ID248 434 - ID344
- 340 - ID340 464 - ID333
- 341 - STAT 201 or 303 464 - ID334, ACCT 209
- 343 - ID300, PHYS 208 463 - ID343

*Bold Boxes = Required before any upper level course may be taken * 5-8-8 = 5-hours lecture, 8-hours lab 8-credits

*Grey boxes indicate courses considered upper level. Students must meet all prerequisites for each course. All prerequisites are strictly enforced.
CHANGE IN CURRICULUM

DWIGHT LOOK COLLEGE OF ENGINEERING

DEPARTMENT OF INDUSTRIAL AND SYSTEMS ENGINEERING

MINOR IN INDUSTRIAL ENGINEERING
Texas A&M University
Request for a Change in Curriculum
Undergraduate ♦ Graduate ♦ Professional

1. Program request type:
   ♦ Undergraduate  □ Graduate  □ First Professional (e.g., DVM, JD, MD, etc.)
   □ Degree Program  ♦ Minor  □ Certificate

2. Request change for:
   Program Designation and Name:
   (e.g., B.A. in History, Minor in History, Certificate in European Union):
   Industrial and Systems Engineering
   Minor in Industrial Engineering

3. Request submitted by (Department or Program Name):

4. Brief description of change:
   Three required courses and five elective courses for the minor have been replaced with new courses.

5. Rationale for change:
   The Industrial and Systems Engineering (ISEN) department has performed a complete overhaul of its courses and redesigned its curriculum. All required ISEN courses have changed and new electives have been developed. These were recently approved. Hence the minor courses also change.

6. Use the checkboxes below to make sure that all information is included.
   a. Proposed curriculum attached.  ♦ Yes  □ No
   b. Current catalog curriculum with handwritten edit attached.  ♦ Yes  □ No
   c. Current Howdy degree evaluation with handwritten edits attached.
   Please make sure the attached proposed curriculum, catalog and Howdy degree evaluation match.

7. a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes?
   □ Yes  ♦ No
   b. If yes, degree program hours will change from: _______ to: _______
   c. If yes, is the Texas Higher Education Coordinating Board Form attached?
      http://www.thecb.state.tx.us/index.cfm?objectid=A0F9F7FA-9A92-4F11-2756AD3BBFBF01D60
   ♦ Yes  □ No

8. a. If proposed changes affect other unit(s), are letters of support attached?
   □ Yes  ♦ No

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UCGC, January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:
Cesar O. Malave
Department Head or Program Chair (Type Name & Sign) Date

Dean of College Date

Chair, College Review Committee Date

Chair, GC or UCC Date

Questions regarding this form should be directed to Curricular Services at 845-8201 or smagner@tamu.edu
Curricular Services – 04/14
Proposed INEN Undergraduate Minor Curriculum
Department of Industrial and Systems Engineering

Required courses (9 credits):
ISEN 310 Uncertainty Modeling for Industrial Engineering (3-0)
ISEN 370 Production Systems Engineering (3-0)
ISEN 320 Operations Research I (3-0)

Electives (6 credits): Select two of the following
ISEN 350 Quality Engineering
ISEN 330 Human Systems Interaction
ISEN 230 Informatics for Industrial Engineers
ISEN 340 Operations Research II
ISEN 355 Systems Simulation

Students must make a grade of "C" or better in all courses.
Industrial Engineering - Minor

The Department of Industrial and Systems Engineering offers a minor in Industrial Engineering.

Program Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISEN 220</td>
<td>Introduction to Production Systems</td>
<td>3</td>
</tr>
<tr>
<td>ISEN 315</td>
<td>Production Systems Planning</td>
<td>3</td>
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<tr>
<td>ISEN 420</td>
<td>Operations Research I</td>
<td>2</td>
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<td>Select two of the following:</td>
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<tr>
<td>ISEN 314</td>
<td>Statistical Control of Quality</td>
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<tr>
<td>ISEN 315</td>
<td>Production Systems Planning</td>
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<td>ISEN 316</td>
<td>Production Systems Operations</td>
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<td>ISEN 421</td>
<td>Operations Research II</td>
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<tr>
<td>ISEN 424</td>
<td>Systems Simulation</td>
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</table>

Total Semester Credit Hours 15

Students must make a grade of "C" or better in all courses.
Information for Degree Evaluation
This is NOT an official evaluation.

Program Evaluation

Limitation: Correspondence: No more than 12 hours of correspondence earned through an accredited institution may be used for an undergraduate degree.

Limitation: Combination: Maximum combination of 18 hours of 481, 482, 485 and/or 491 courses may be used for an undergraduate degree.

<table>
<thead>
<tr>
<th>Program</th>
<th>BS AERO</th>
<th>Catalog Term:</th>
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<td>Evaluation Term:</td>
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<td>Dwight Look College of Engr</td>
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<td>Minors:</td>
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<tr>
<td>Departments</td>
<td>Aerospace Engineering</td>
<td>Concentrations:</td>
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<tr>
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<tr>
<td>Program GPA</td>
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<tr>
<td>Overall GPA</td>
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Other Course Information
Transfer: 0.000 0

This is NOT an official evaluation.

Area: Major Coursework (44.000 credits) - Not Met:

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<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
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<th>Required</th>
<th>Credits</th>
<th>Required</th>
<th>Courses</th>
<th>Term Subject Course Title</th>
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<td>Must make a grade of 'C' or better.</td>
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<td></td>
<td>F.</td>
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<td></td>
<td>L.</td>
<td>AERO</td>
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</table>
Area: Citizenship (12.000 credits) - Not Met
Description: Completion of 4 semesters of Upper-Level ROTC may be substituted for 3 hours of American History and 3 hours of Political Science.

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<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low High</th>
<th>Required</th>
<th>Required</th>
<th>Term</th>
<th>Subject</th>
<th>Course Title</th>
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<th>Grade</th>
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<tbody>
<tr>
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<td>Select from any course with the [H455] attribute.</td>
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<td>AND</td>
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<td>Political Science</td>
<td>Reqts 6hrs</td>
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</table>

Total Credits and GPA: 0.000 .00

unofficial evaluation

Area: Work Not Applied - Met
Description: See advisor for acceptable substitutions.

<table>
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<th>Subject</th>
<th>Attribute</th>
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<th>Subject</th>
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<th>Grade</th>
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<th>Courses</th>
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Total Credits and GPA: 0.000 .00

unofficial evaluation

Area: Industrial Eng Minor (15.000 credits) - Not Met
Description: No grade below a 'C' is acceptable.

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<td>ISEN 310</td>
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<td>(Prerequisites include ISEN 100, MATH 122 or 172, STAT 211 and 350, 306.)</td>
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<td>AND</td>
<td>D.</td>
<td>Elective</td>
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<td>Select from ISEN 315, 428, 424.</td>
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Total Credits and GPA: 0.000 .00

unofficial evaluation

Area: University Writing Requirement - Not Met

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<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low High</th>
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<th>Courses</th>
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</table>

Two courses required:
Only sections of AERO 302; ENGR 482; PHIIL 482 with the Writing attribute [UWRT] may be used to satisfy this requirement.

Total Credits and GPA: 0.000 .00

unofficial evaluation

Area: Int'l & Cult Diversity - Not Met
CHANGE IN CURRICULUM

COLLEGE OF GEOSCIENCES

BS IN ENVIRONMENTAL GEOSCIENCES
Texas A&M University
Request for a Change in Curriculum
Undergraduate • Graduate • Professional

1. Program request type:
   ✔ Undergraduate
   □ Graduate
   □ First Professional (e.g., DVM, JD, MD, etc.)

2. Request change for:
   ✔ Degree Program
   □ Minor
   □ Certificate

3. Request submitted by (Department or Program Name):
   Environmental Programs in Geosciences

4. Program Designation and Name:
   BS in Environmental Geosciences

5. Brief description of change:
   Requirement of GEOG 390 in Technical Elective category; adding recommendation for PHYS 218; adding recommendation for STAT 211; several minor changes as indicated in memo (adding or deleting courses to elective list)

6. Rationale for change:
   Finalize approval of GEOG 350 as a required course (we thought we had accomplished this earlier); make students aware of the possible need for PHYS 218 and STAT 211 if they pursue graduate studies; streamline degree requirements and electives.

7. Use the checkboxes below to make sure that all information is included.
   a. Proposed curriculum attached. ✔ Yes □ No
   b. Current catalog curriculum with handwritten edits attached. ✔ Yes □ No
   c. Current Howdy degree evaluation with handwritten edits attached. ✔ Yes □ No

8. Will degree program hours change (increase/decrease) due to the proposed curriculum changes?
   Yes ✔ No □

   a. If yes, degree program hours will change
   from: __________
   to: __________

   b. If yes, is the Texas Higher Education Coordinating Board form attached?
      http://www.thecb.state.tx.us/index.cfm?objectid=A0F9F7FA-9A92-4F11-2756AD3BBFF01D60
      Yes ✔ No □

9. If proposed changes affect other unit(s), are letters of support attached?
   Yes ✔ No □

   IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UCC/CC, January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

   Approval recommended by:

   Christian Brannstrom ✔ Date
   □ Date
   Department Head or Program Chair (Type Name & Sign)
   Chair, College Review Committee ✔ Date
   □ Date
   Chair, GC or UCC

   Questions regarding this form should be directed to Curricular Services at 845-8201 or sandra.williams@tamu.edu
   Curricular Services - 04/14.

   RECEIVED
   CURRICULAR SERVICES
   NOV 1 2 2015
MEMORANDUM

TO: Dr. Chris Houser, Undergraduate and Faculty Affairs, College of Geosciences

FROM: Dr. Christian Brannstrom, Director of Environmental Programs in Geosciences

SUBJECT: Curricular Changes to Environmental Geosciences (ENGS)

We request the following changes to the ENGS curriculum:

-GEOG 390 should be required under the Technical Elective category (we requested this change in 2014 but it was not fully implemented);

-under Life and Physical Science, PHYS 218 should be added as an option to PHYS 201, with the note "PHYS 218 is recommended for the Coastal and Marine Environments theme"

-under Mathematics, STAT 211 should be added as an option to STAT 303, with the note "STAT 211 is recommended for the Coastal and Marine Environments theme"

-URPN 361 should be added to the Environmental Policy Elective list (this is an ICD course and hence desirable for many of our students);

-GEOS 484 should be added to all Environmental Themes (Biosphere; Climate Change; Coastal and Marine Environments; Human Impact on the Environment; Water);

-ESSM 301, ESSM 306, and GEOG 400 should be added to "Electives" in the Water Theme;

-WFSC 412 should be deleted from "Electives" in the Water Theme;

-SENG 321 should be added to "Electives" in the Human Impact on the Environment Theme;

-GEOS 410 should be moved from "Elective" to "Core Courses" in the Human Impact on the Environment theme;

-GEOS 430 should be moved from "Core Courses" to "Electives" in the Human Impact on the Environment theme;

-the Climate Change theme should not require GEOS 410;

-GEOS 410 should be placed in the "Electives" list of the Climate Change theme;

-GEOL 306 should be added to Technical Elective list
College of Geosciences
- Climate Change Minor (p. 369)
- Earth Sciences Minor (p. 369)
- Environmental Geosciences Minor (p. 370)

Department of Atmospheric Sciences
- Meteorology Minor (p. 373)

Department of Geography
- Geography Minor (p. 392)
- Geographic Information Science and Technology (GIST) Minor (p. 392)

Department of Geology and Geophysics
- Geology Minor (p. 402)
- Geophysics Minor (p. 402)

Department of Oceanography
- Oceanography Minor (p. 403)

Certificates
College of Geosciences
- Diversity Certificate in the College of Geosciences (p. 423)

Masters
College of Geosciences
- Master of Geoscience in Geoscience (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/geosciences/interdepartmental-degree-programs/mgsc)

Department of Atmospheric Sciences
- Master of Science in Atmospheric Sciences (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/geosciences/atmospheric-sciences/ms)

Department of Geography
- Master of Science in Geography (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/geosciences/geography/ms)

Department of Geology and Geophysics
- Master of Science in Geology (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/geosciences/geology-geophysics/geology-ms)
- Master of Science in Geophysics (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/geosciences/geology-geophysics/geophysics-ms)

Department of Oceanography
- Master of Science in Oceanography (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/geosciences/oceanography/ms)

Doctoral

Environmental Geosciences - BS
The increasing demands that population growth and affluence put on the natural resources and the Earth's environment require greater numbers of trained professionals and informed citizens. The BS degree in Environmental Geosciences embraces all the disciplines of geosciences to give the student a rigorous interdisciplinary education including issues associated with environmental policy. The degree trains students for employment by industry, environmental and engineering consulting firms, non-governmental organizations, and governmental regulatory agencies, among other entities. Students focus coursework in a particular environmental theme: coastal and marine environments, water, human impact on the environment, climate change, or biosphere.

Program Requirements
First Year

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<td>BIOL 111</td>
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<tr>
<td>MATH 152</td>
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<td>American National Government</td>
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Second Year

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<tr>
<td>&amp; ATMO 202</td>
<td>and Weather and Climate Laboratory</td>
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<tr>
<td>GEOG 203</td>
<td>Planet Earth</td>
</tr>
<tr>
<td>&amp; GEOG 213</td>
<td>and Planet Earth Lab</td>
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<td>GEOL 101</td>
<td>Principles of Geology</td>
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<tr>
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<td>Oceanography</td>
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<tr>
<td>&amp; OCNG 252</td>
<td>and Oceanography Laboratory</td>
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<tr>
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<td>and Planet Earth Lab</td>
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**Third Year**

**Fall**

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<tr>
<td>PHYS 201</td>
<td>College Physics</td>
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<td>STAT 303</td>
<td>Statistical Methods</td>
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<td>ATMO 441</td>
<td>Satellite Meteorology and Remote Sensing</td>
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<td>ATMO 454</td>
<td>Laboratory Methods in Atmospheric Sciences</td>
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<td>GEOL 312</td>
<td>Data Analysis in Geography</td>
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<td>GEOL 380</td>
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<tr>
<td>GEOL 450</td>
<td>Field Geography</td>
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<tr>
<td>GEOL 462</td>
<td>Advanced GIS Analysis for Natural Resources</td>
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<td>ESSM 462</td>
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<td>GEOL 475</td>
<td>Advanced Topics in GIS (Geographic Information Systems)</td>
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<td>GEOL 309</td>
<td>Introduction to Geological Field Methods</td>
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<tr>
<td>GEOL 330</td>
<td>Geologic Field Trips</td>
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**Fourth Year**

**Fall**

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<td>ATMO 321</td>
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<tr>
<td>ATMO 441</td>
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<td>ATMO 454</td>
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<td>GEOL 312</td>
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<td>GEOL 361</td>
<td>Remote Sensing in Geosciences</td>
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<td>GEOL 380</td>
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<td>Course Code</td>
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<tr>
<td>AGEC 350</td>
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<td>BESC 357</td>
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<td>ECON 203</td>
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<td>ECON 435</td>
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<td>GEOG 304</td>
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<td>GEOG 306</td>
<td>Introduction to Urban Geography</td>
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<td>GEOG 309</td>
<td>Geography of Energy</td>
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<td>GEOG 401</td>
<td>Political Geography</td>
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<td>GEOG 406</td>
<td>Geographic Perspectives on Contemporary Urban Issues</td>
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<td>GEOS 430</td>
<td>Global Science and Policy Making</td>
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<td>RENR 470</td>
<td>Environmental Impact Assessment</td>
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<td>URPN 202</td>
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<td>URPN 350</td>
<td>Issues in Environmental Quality</td>
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<td>URPN 371</td>
<td>Environmental Health Planning and Policy</td>
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<td>URPN 460</td>
<td>Sustainable Communities</td>
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<tr>
<td>GEG 450</td>
<td>Field Geography</td>
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</table>

1. Freshmen entering the program take a first year seminar, GEOS 101. The choice is not restricted. Students transferring or changing majors into the program, who have not taken GEOS 101, are required to take GEOS 481 in their junior or senior year.

2. It is recommended to select a course that also fulfills an International and Cultural Diversity requirement.

3. Choose one introductory College of Geosciences course in the first semester and an additional one in the second semester of the sophomore year. Seek guidance from the academic advisor for Environmental Programs in Geosciences (ENVP) or your faculty mentor.

4. Choose 18 hours of theme courses in your junior and senior years in consultation with your academic advisor or faculty mentor from the list below. GEOS 484 can be taken for up to 6 credits and will normally be used as an adjustment to theme electives, but depending on the content of the internship credit, it can be applied as an adjustment to your technical electives or policy electives. Seek guidance from the ENVP academic advisor.

5. Other courses which match the Environmental Programs' technical electives definition will be allowed by adjustment. Guidance about technical electives (including the definition used by the Environmental Programs in Geosciences) can be found on the programs' website. Seek guidance about choices from the ENVP academic advisor or faculty mentor.

6. See the ENVP academic advisor or faculty mentor for guidance.

7. PHYS 211 is recommended for the Coastal Marine Environment Theme.

8. STAT 211 is recommended for the Coastal Marine Environment Theme.

9. GEOS 390 is a required technical elective.
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<td>Water and Soil Management</td>
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<td>AGSM 337</td>
<td>Technology for Environmental and Natural Resource Engineering</td>
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<td>Weather Observation and Analysis</td>
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<td>ATMO 335</td>
<td>Atmospheric Thermodynamics</td>
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<td>ATMO 352</td>
<td>Severe Weather and Mesoscale Forecasting</td>
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<td>ATMO 443</td>
<td>Radar Meteorology</td>
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<td>ATMO 324</td>
<td>Physical and Regional Climatology</td>
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<td>GEOS 331</td>
<td>Geomorphology</td>
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<td>GEOL 440</td>
<td>Engineering Geology</td>
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<td>GEOL 451</td>
<td>Introduction to Geochemistry</td>
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<td>Interdisciplinary Oceanography</td>
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<td>OCNG 350</td>
<td>Marine Pollution</td>
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<td>OCNG 425</td>
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<td>Watershed and Water Quality Management</td>
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<td>Pattern and Process in Biogeography</td>
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<td>442</td>
<td>GEOL 435</td>
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<td></td>
<td>Principles of Plant Geography</td>
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<td>Introduction to Theory and Practice of Plant Physiology</td>
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1 Students who have taken OCNG 251 cannot take OCNG 401.

Two courses in the degree plan must be writing intensive courses designated by the Environmental Programs in the schedule of classes. Also, international and cultural diversity electives (6 hours) must be incorporated into the degree.

**Environmental Studies - BS**

The increasing demands that population growth and affluence put on the natural resources and the Earth's environment require greater numbers of trained professionals and informed citizens. The Bachelor of Science
Detail Requirements

Information for Degree Evaluation
This is NOT an official evaluation.

Program Evaluation

Limitation
Correspondence: No more than 12 hours of correspondence earned through an accredited institution may be used for an undergraduate degree.

Limitation
Combination: Maximum combination of 18 hours of 481, 482, 485 and/or 491 courses may be used for an undergraduate degree.

Program
BS ENGS

Catalog Term:
Fall 2015 - College Station

Evaluation Term:
Fall 2015 - College Station

Expected Graduation Date:

Request Number:
1

Result as of:
Oct 29, 2015

Concentration:

Total Required:
No 120.00 0.00

Program GPA:
Yes .00 .00

Overall GPA:
No 2.00 .00

Other Course Information

Transfer:
0.000 0

This is NOT an official evaluation.

Area Major Coursework (16.000 credits) - Not Met

Met Condition Rule Subject Attribute Low High Required Credits Required Courses Term Subject Course Title Attribute Credits Grade Source
No A. GEOS 105
No AND B. GEOS 405
No AND C. GEOS 470
No AND D. GEOS 330
No AND E. GEOS 420
No AND F. Seminar 1hr

Select from GEOS 101 or GEOS 481.

Total Credits and GPA 0.000 .00

unofficial evaluation

Area Supporting Coursework (20.040 credits) - Not Met

Met Condition Rule Subject Attribute Low High Required Credits Required Courses Term Subject Course Title Attribute Credits Grade Source
No A. Technical Elective 14hrs

Select from ATMO 321, 441, 464; GEOL 312, 351, 380, 381, 450, 462, 467, 473, 476; GEOL 306, 309, 330, 352; GEOP 413; OCNG 451.

No AND B. Environment Policy Elect 6hrs

Select from AGEC 350; BESC 367; ECON 202, 203, 323, 435; GEOL 303, 368, 369, 401, 406, 430; GEOS 430; PHIL 314; POLS 347; RENR 401; SOC 312; URPN 302, 360, 371, 460.

Take GEOS 390 for 4 hours

URPN 361

Total Credits and GPA 0.000 .00
unofficial evaluation

Area: Environmental Theme Electives (18.00 credits) - Not Met

Description: Select one of the following options for a total of 18 hrs:

- Cannot take OCNG 401 if already taken OCNG 251.

A. Biosphere 18 hrs.
   a. Take GEOG 335.
   b. Take GEOL 305.
   c. Take OCNG 420.
   d. Select the remaining 9 hours from: GEOG/GEOS 442, GEOS 435; GEOL 307; GEOS 411; OCNG 401*, 401, 425; BIDL 214, 357/358; GENE 302, 412; SCSC 301; SCSC/MEPS 316.

B. Climate Change 18 hrs.
   c. Take GEOS 444.
   d. Select the remaining 7 hours from: ATMOS 324 or GEOS 424; ATMOS 363, 463; GEOS or GEOS 442; GEOL 305, 306, 307, 451; GEOS 401, 410, 411, 484; OCNG 401*, 410, 440.

C. Coastal and Marine Environments 18 hrs.
   a. Take GEOG 370.
   b. Take OCNG 401*.
   c. Select remaining 12 hours from GEOG 331, 360; GEOL 306, 440; GEOS 401, 444, 484; OCNG 350, 410, 420, 425, 430, 440; WFSC 418, 425, 428.

   a. Take GEOS 410.
   b. Take OCNG 430.
   c. Select remaining 12 hours from ATMOS 326, 363; GEOS 309, 360, 401; GEOL 301, 410, 440, 451; GEOS 401, 410, 444, 484; OCNG 350; URPN 361; WFSC 420.

E. Water 18 hrs.
   a. Take GEOG 434.
   b. Take GEOL 410.
   c. Select remaining 11 hours from AGSH 335, 337; ATMOS 251, 324 or GEOS 324; ATMOS 335, 352, 443; GEOG 331, 360; GEOL 440, 451; GEOS 401, 484; OCNG 350, 401*, 440; SCSC 455, 458; USGS 301, 306; GEOG 400; OCNG 425.

<table>
<thead>
<tr>
<th>Area</th>
<th>Communication (6.00 credits) - Not Met</th>
</tr>
</thead>
<tbody>
<tr>
<td>Met</td>
<td><strong>Condition Rule</strong></td>
</tr>
<tr>
<td>No</td>
<td>A. ENGRL 104</td>
</tr>
</tbody>
</table>

Select 3 hours from any courses with the Communication attribute [KCOM].

Total Credits and GPA: 0.000 0.00

unofficial evaluation

Area: Mathematics (11.00 credits) - Not Met

Met  | **Condition Rule** | Subject Attribute | Low High | Required | Required | Term Subject | Course Title | Attribute | Credits | Grade Source |
<table>
<thead>
<tr>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>No</td>
<td>A. MATH 151</td>
</tr>
<tr>
<td>No AND B. MATH 152</td>
<td></td>
</tr>
<tr>
<td>No AND C. STAT 303</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits and GPA: 0.000 0.00

unofficial evaluation

Area: Environmental Theme Electives (18.00 credits) - Not Met

Description: Select one of the following options for a total of 18 hrs:

- Cannot take OCNG 401 if already taken OCNG 251.

A. Biosphere 18 hrs.
   a. Take GEOG 335.
   b. Take GEOL 305.
   c. Take OCNG 420.
   d. Select the remaining 9 hours from: GEOG/GEOS 442, GEOS 435; GEOL 307; GEOS 411; OCNG 401*, 401, 425; BIDL 214, 357/358; GENE 302, 412; SCSC 301; SCSC/MEPS 316.

B. Climate Change 18 hrs.
   c. Take GEOS 444.
   d. Select the remaining 7 hours from: ATMOS 324 or GEOS 424; ATMOS 363, 463; GEOS or GEOS 442; GEOL 305, 306, 307, 451; GEOS 401, 410, 411, 484; OCNG 401*, 410, 440.

C. Coastal and Marine Environments 18 hrs.
   a. Take GEOG 370.
   b. Take OCNG 401*.
   c. Select remaining 12 hours from GEOG 331, 360; GEOL 306, 440; GEOS 401, 444, 484; OCNG 350, 410, 420, 425, 430, 440; WFSC 418, 425, 428.

   a. Take GEOS 410.
   b. Take OCNG 430.
   c. Select remaining 12 hours from ATMOS 326, 363; GEOS 309, 360, 401; GEOL 301, 410, 440, 451; GEOS 401, 410, 444, 484; OCNG 350; URPN 361; WFSC 420.

E. Water 18 hrs.
   a. Take GEOG 434.
   b. Take GEOL 410.
   c. Select remaining 11 hours from AGSH 335, 337; ATMOS 251, 324 or GEOS 324; ATMOS 335, 352, 443; GEOG 331, 360; GEOL 440, 451; GEOS 401, 484; OCNG 350, 401*, 440; SCSC 455, 458; USGS 301, 306; GEOG 400; OCNG 425.

Total Credits and GPA: 0.000 0.00

unofficial evaluation

Area: Communication (6.00 credits) - Not Met

Met  | **Condition Rule** | Subject Attribute | Low High | Required | Required | Term Subject | Course Title | Attribute | Credits | Grade Source |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A. ENGRL 104</td>
</tr>
</tbody>
</table>

Select 3 hours from any courses with the Communication attribute [KCOM].

Total Credits and GPA: 0.000 0.00

unofficial evaluation

Area: Mathematics (11.00 credits) - Not Met

Met  | **Condition Rule** | Subject Attribute | Low High | Required | Required | Term Subject | Course Title | Attribute | Credits | Grade Source |
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>No</td>
<td>A. MATH 151</td>
</tr>
<tr>
<td>No AND B. MATH 152</td>
<td></td>
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<tr>
<td>No AND C. STAT 303</td>
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Total Credits and GPA: 0.000 0.00
unofficial evaluation

Area: Life and Physical Sciences (18.000 credits) - Not Met
- Met Condition Rule Subject Attribute Low High Required Credits Required Courses

<table>
<thead>
<tr>
<th>No</th>
<th>Condition</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required Credits</th>
<th>Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A.</td>
<td>Intro Geosciences Course</td>
<td>4hrs</td>
<td></td>
<td></td>
<td></td>
<td>Select from ATMO 201/202; GEOG 203/213; GEOL 101 or OCNG 251/252.</td>
</tr>
<tr>
<td></td>
<td>AND</td>
<td>B.</td>
<td>Intro Geosciences Course</td>
<td>4hrs</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>AND</td>
<td>C.</td>
<td>BIOL 111</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>AND</td>
<td>D.</td>
<td>BIOL 112</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>AND</td>
<td>E.</td>
<td>CHEM 101/111</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>AND</td>
<td>F.</td>
<td>CHEM 102/112</td>
<td></td>
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<tr>
<td></td>
<td>AND</td>
<td>G.</td>
<td>PHYS 201</td>
<td></td>
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</tr>
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</table>

Total Credits and GPA 0.000 0.00

unofficial evaluation

Area: Language, Philosophy & Culture (3.000 credits) - Not Met
- Met Condition Rule Subject Attribute Low High Required Credits Required Courses

<table>
<thead>
<tr>
<th>No</th>
<th>Condition</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required Credits</th>
<th>Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A.</td>
<td>Lang, Phil, Culture</td>
<td>Req 3hrs</td>
<td></td>
<td></td>
<td></td>
<td>Select any course with the Language, Philosophy and Culture attribute [LPC].</td>
</tr>
</tbody>
</table>

Total Credits and GPA 0.000 0.00

unofficial evaluation

Area: Creative Arts (3.000 credits) - Not Met
- Met Condition Rule Subject Attribute Low High Required Credits Required Courses

<table>
<thead>
<tr>
<th>No</th>
<th>Condition</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required Credits</th>
<th>Required Courses</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>A.</td>
<td>Creative Arts Requirement</td>
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<td></td>
<td></td>
<td>Select three hours from any course with the Creative Arts attribute [ICRA].</td>
<td></td>
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</tbody>
</table>

Total Credits and GPA 0.000 0.00

unofficial evaluation

Area: Social and Behavioral Science (3.000 credits) - Not Met
- Met Condition Rule Subject Attribute Low High Required Credits Required Courses

<table>
<thead>
<tr>
<th>No</th>
<th>Condition</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required Credits</th>
<th>Required Courses</th>
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<tr>
<td></td>
<td>A.</td>
<td>GEOG 201</td>
<td></td>
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</table>

Total Credits and GPA 0.000 0.00

unofficial evaluation

Area: Citizenship (12.000 credits) - Not Met
Description: Completion of 4 semesters of Upper-Level ROTC may be substituted for 3 hours of American History and 3 hours of Political Science.
Met | Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Grade Source Courses
---|---------------------------------------------------|
No | A. American History Rqmt 6hrs Select from any course with the [HIST] attribute. |
No | AND B. Political Science Rqmt 6hrs Take POLS 206 and POLS 207. |

Total Credits and GPA 0.000 0.00

unofficial evaluation

Area | Work Not Applied - Met
Description | See advisor for acceptable substitutions.
Met | Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Grade Source Courses
No | A. Courses not applied |

Total Credits and GPA 0.000 0.00

unofficial evaluation

Area | University Writing Requirement - Not Met
Met | Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Grade Source Courses
No | A. Writing Requirement Two courses required: Only sections of ATMO 456, 459, 463, 491; GEOG 300, 324, 366, 404, 430, 415, 476, 491; GEOI 301, 311-312, 410 420, 440, 491; GEOI 491; GEOI 495, 491; UCST 491 with the Writing attribute [UWRT] may be used to satisfy this requirement. |

Total Credits and GPA 0.000 0.00

unofficial evaluation

Area | Int'l & Cult Diversity - Not Met
Met | Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Grade Source Courses
No | A. Int'l & Cultural Diversity 6hrs Select from courses with the International and Cultural Diversity attribute [UCDI] (except sections of BUSI 269 with the UWRT attribute). |

Total Credits and GPA 0.000 0.00

unofficial evaluation

Area | Foreign Language - Not Met
Met | Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Grade Source Courses
No | A. Foreign Language Rqmt Complete one of the following: 1. Two years of the same foreign language in High School. 2. A two semester sequence of the same foreign language for University credit. |

Total Credits and GPA 0.000 0.00

unofficial evaluation
Area: Residence Requirement - Not Met

Description: A minimum of 36 hours of 300-400 level coursework must be completed at Texas A&M University. 12 hours must be in the major field.

<table>
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<th>Met</th>
<th>Condition Rule Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required</th>
<th>Required</th>
<th>Term Subject Course</th>
<th>Title Attribute</th>
<th>Credits</th>
<th>Courses</th>
<th>Grade</th>
<th>Source</th>
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<tr>
<td>No</td>
<td>A. Residence</td>
<td>Major</td>
<td>12hrs</td>
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<td>Select from</td>
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<td></td>
<td>AGEC 350; BESC 367;</td>
<td>ECON 323, 435;</td>
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<td>GEOG 304, 309, 330,</td>
<td>360, 401, 406, 430;</td>
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<td>GEOI 420; GEOS 401,</td>
<td>405, 470, 481;</td>
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<td>POLS 347; RENR 420,</td>
<td>470; SOCI 328;</td>
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<td>UNPN 301, 360, 371,</td>
<td>460.</td>
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<tr>
<td>No</td>
<td>AND B. Residence</td>
<td>300-499</td>
<td>24hrs</td>
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<td>Select any 300</td>
<td>0.000</td>
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<td>or 400 level courses.</td>
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unofficial evaluation

Area: GPR-Major - Not Met

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<th>Condition Rule Subject</th>
<th>Attribute</th>
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<th>High</th>
<th>Required</th>
<th>Required</th>
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<th>Title Attribute</th>
<th>Credits</th>
<th>Courses</th>
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<tbody>
<tr>
<td>No</td>
<td>A. Major GPR</td>
<td>274hrs</td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>Includes: AFMO 201,</td>
<td>0.000</td>
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<td>202; GEOG 201, 203,</td>
<td>213, 330; GEOI</td>
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<td>101, 104, 420; GEOS</td>
<td>105, 405, 470, 481;</td>
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<td>OCNG 251, 252; UGST</td>
<td>181.</td>
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unofficial evaluation

Back to Display Options
Detail Requirements

Information for Degree Evaluation

This is NOT an official evaluation.

Program Evaluation

Limitation Correspondence: No more than 12 hours of correspondence earned through an accredited institution may be used for an undergraduate degree.

Limitation Combination: Maximum combination of 18 hours of 481, 482, 485 and/or 491 courses may be used for an undergraduate degree.

Program: BS ENGS

Campus: College Station

College: Geosciences

Degree: Bachelor of Science

Level: Undergraduate

Majors: Environmental Geoscience

Departments: College of Geosciences

Catalog Term: Fall 2015 - College Station

Evaluation Term: Fall 2015 - College Station

Expected Graduation Date: 169

Request Number: 169

Results as of: Sep 07, 2015

Minors:

Concentrations:

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<tr>
<th>Met</th>
<th>Credits</th>
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<tr>
<td></td>
<td>Required</td>
<td>Used</td>
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<tr>
<td>No</td>
<td>120.00</td>
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</table>

Program GPA: Yes

Overall GPA: No

Other Course Information

Transfer:

0.000 0

This is NOT an official evaluation.

Area: Major Coursework (16,000 credits) - Not Met

| Met | Condition Rule | Subject Attribute | Low High Required Credits | Required Courses | Term Subject | Course Title | Attribute Credits Grade Source |
|-----|----------------|-------------------|---------------------------|-----------------|--------------|--------------|-----------------------------|-----------------------------|
| No  | AND B.        | GEO 105           |                           |                 |              |              |                             |                             |
| No  | AND C.        | GEO 485           |                           |                 |              |              |                             |                             |
| No  | AND D.        | GEO 420           |                           |                 |              |              |                             |                             |

Select from GEOS 101 or GEOS 481.

unofficial evaluation

Area: Supporting Coursework (24,000 credits) - Not Met

| Met | Condition Rule | Subject Attribute | Low High Required Credits | Required Courses | Term Subject | Course Title | Attribute Credits Grade Source |
|-----|----------------|-------------------|---------------------------|-----------------|--------------|--------------|-----------------------------|-----------------------------|
| No  | B.             | Technical elective |                           |                 |              |              |                             |                             |

Select from ATMO 321, 441, 464; GEOG 312, 361, 380, 390, 450, 462, 475, 479; GEOI 306, 309, 320, 352; GEOP 413; OCNG 461.

unofficial evaluation

Area: Environmental Theme Electives (18,000 credits) - Not Met

| Met | Condition Rule | Subject Attribute | Low High Required Credits | Required Courses | Term Subject | Course Title | Attribute Credits Grade Source |
|-----|----------------|-------------------|---------------------------|-----------------|--------------|--------------|-----------------------------|-----------------------------|
| No  | AND B.        | Environment Policy Electives |                |                 |              |              |                             |                             |

Select from AEGC 350; BESC 367; ECON 202, 203, 322, 435; GEOG 304, 305, 306, 461, 466, 470; GEOIS 430; PHIL 314; POLS 347; RENF 470; SOCI 320; URFX 202, 260, 371, 450.

unofficial evaluation

https://compass-ssb.tamu.edu/pls/PROD/bwckapp.P_VerifyDispEvalViewOption
<table>
<thead>
<tr>
<th>Area: Language, Philosophy &amp; Culture (3.000 credits) - Not Met</th>
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</thead>
<tbody>
<tr>
<td><strong>Met</strong></td>
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<tr>
<td>No</td>
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<td></td>
</tr>
<tr>
<td>Total Credits and GPA</td>
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unofficial evaluation

<table>
<thead>
<tr>
<th>Area: Creative Arts (3.000 credits) - Not Met</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Met</strong></td>
</tr>
<tr>
<td>No</td>
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unofficial evaluation

<table>
<thead>
<tr>
<th>Area: Social and Behavioral Science (3.000 credits) - Not Met</th>
</tr>
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<tbody>
<tr>
<td><strong>Met</strong></td>
</tr>
<tr>
<td>No</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Total Credits and GPA</td>
</tr>
</tbody>
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unofficial evaluation

<table>
<thead>
<tr>
<th>Area: Citizenship (12.000 credits) - Not Met</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description:</strong> Completion of 4 semesters of Upper-Level ROTC may be substituted for 3 hours of American History and 3 hours of Political Science.</td>
</tr>
<tr>
<td><strong>Met</strong></td>
</tr>
<tr>
<td>No</td>
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<td></td>
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<tr>
<td>No AND B.</td>
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<td></td>
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<tr>
<td>Total Credits and GPA</td>
</tr>
</tbody>
</table>

unofficial evaluation

<table>
<thead>
<tr>
<th>Area: Work Not Applied - Met</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description:</strong> See advisor for acceptable substitutions.</td>
</tr>
<tr>
<td><strong>Met</strong></td>
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<tr>
<td>No</td>
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unofficial evaluation
CHANGE IN CURRICULUM

COLLEGE OF GEOSCIENCES

BS IN ENVIRONMENTAL STUDIES
Texas A&M University
Request for a Change in Curriculum
Undergraduate • Graduate • Professional

1. Program request type:  ✔Undergraduate  □Graduate  □First Professional (e.g., DVM, JD, MD, etc.)

2. Request change for:  ✔Degree Program  □Minor  □Certificate

3. Request submitted by (Department or Program Name):

Program Designation and Name
(e.g., B.A. in History, Minor in History, Certificate in European Union):

Environmental Programs in Geosciences
 BS in Environmental Studies (ENST)

4. Brief description of change:
URPN 361 as one option to list of Environmental Policy Electives; restrict General Electives

5. Brief description of change:
URPN 361 is already sought by ENST students and is appropriate to include on our Environmental Policy list; remedial courses should not be allowed in General Electives for this degree program; military science courses should not be allowed in General Electives for this degree program.

6. Rationale for change:

Use the checkboxes below to make sure that all information is included.

7. a. Proposed curriculum attached.  ✔Yes  □No
b. Current catalog curriculum with handwritten edits attached.  ✔Yes  □No
c. Current Howdy degree evaluation with handwritten edits attached.  ✔Yes  □No

Please make sure the attached proposed curriculum, catalog and Howdy degree evaluation match.

8. a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes?  □Yes  ✔No
b. If yes, degree program hours will change from: ________ to: ________

c. If yes, is the Texas Higher Education Coordinating Board form attached?
   http://www.thecb.state.tx.us/index.cfm?objectid=A0F9F7FA-9A92-4F11-2756AD3BBFF01D60

9. If proposed changes affect other unit(s), are letters of support attached?  □Yes  ✔No

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UCC/GC, January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:

Christian Brannstrom  ❄Signed❄  11/2/2015

Department Head or Program Chair (Type Name & Sign)  Date

Dean of College  Date

Chair, College Review Committee  11/11/2015

Chair, GC or UCC  11/11/2015

Questions regarding this form should be directed to Curricular Services at 845-8201 or sandra-williams@tamu.edu Curricular Services – 04/14

RECEIVED
CURRICULAR SERVICES

NOV 12 2015
November 5, 2014

MEMORANDUM

TO: Dr. Chris Houset, Undergraduate and Faculty Affairs, College of Geosciences
FROM: Dr. Christian Brannstrom, Director of Environmental Programs in Geosciences

SUBJECT: curricular changes to Environmental Studies (ENST)

We request the following curricular changes to the ENST degree program:

-URPN 361 should be added to Environmental Policy Electives;

-Restrictions should be added to General Electives: we do not allow KINE 199, MATH 102, MATH 103, MATH 150;

-Restrictions should be added to General Electives: we do not allow SOMS, NVSC, MLSC, or AERS.
GEOL 451  Introduction to Geochemistry
GEOS 401  Polar Regions of the Earth: Science, Society and Discovery
GEOS 410  Global Change
GEOS 484  Internship
OCNG 401  Interdisciplinary Oceanography
OCNG 410  Introduction to Physical Oceanography
OCNG 440  Introduction to Chemical Oceanography

Coastal and Marine Environments
GEOG 370  Coastal Processes
MARS 370
OCNG 401  Interdisciplinary Oceanography

Select the remaining courses from the following:
GEOG 331  Geomorphology
GEOG 360  Natural Hazards
GEOL 308  Sedimentology and Stratigraphy
GEOL 440  Engineering Geology
GEOS 444  The Science and Politics of Global Climate Change
GEOS 484  Internship
OCNG 350  Marine Pollution
OCNG 410  Introduction to Physical Oceanography
OCNG 420  Introduction to Biological Oceanography
OCNG 425  Microbial Oceanography
OCNG 430  Introduction to Geological Oceanography
OCNG 440  Introduction to Chemical Oceanography
WFSC 418  Ecology of the Coastal Zone
WFSC 425  Marine Fisheries
WFSC 428  Wetland Ecosystem Management

Human Impact on the Environment
GEOS 430  Global Science and Policy Making
GEOS 430  Environmental Justice

Select the remaining courses from the following:
ATMO 326  Environmental Atmospheric Science
ATMO 326  Introduction to Atmospheric Chemistry and Air Pollution
GEOG 309  Geography of Energy
GEOG 360  Natural Hazards
GEOG 401  Political Geography
GEOL 301  Mineral Resources
GEOL 410  Hydrogeology
GEOL 441  Engineering Geology
GEOL 451  Introduction to Geochemistry
GEOS 401  Polar Regions of the Earth: Science, Society and Discovery
GEOS 410  Global Change
GEOS 444  The Science and Politics of Global Climate Change
GEOS 484  Internship
OCNG 350  Marine Pollution
URPN 381  Urban Issues
WFSC 420  Ecology and Society

Water
GEOG 434  Hydrology and Environment

3 GEOL 410  Hydrogeology
3 Select the remaining courses from the following:
AGSM 335  Water and Soil Management
AGSM 337  Technology for Environmental and Natural Resource Engineering
ATMO 251  Weather Observation and Analysis
ATMO 335  Atmospheric Thermodynamics
ATMO 352  Severe Weather and Mesoscale Forecasting
ATMO 443  Radar Meteorology
ATMO 324  Physical and Regional Climatology or GEOG 324  or Global Climatic Regions
GEOG 331  Geomorphology
GEOG 360  Natural Hazards
GEOG 440  Engineering Geology
GEOS 451  Introduction to Geochemistry
GEOS 401  Polar Regions of the Earth: Science, Society and Discovery
GEOS 484  Internship
OCNG 350  Marine Pollution
OCNG 401  Interdisciplinary Oceanography
OCNG 425  Microbial Oceanography
OCNG 440  Introduction to Chemical Oceanography
SCSC 455  Environmental Soil and Water Science
SCSC 458  Watershed and Water Quality Management

Biosphere
GEOG 335  Pattern and Process in Biogeography
GEOG 305  Paleobiology
OCNG 420  Introduction to Biological Oceanography

Select the remaining courses from the following:
GEOG/GEOS  Past Climates
GEOG 435  Principles of Plant Geography
OCNG 401  Interdisciplinary Oceanography
Biol 214  Genes, Ecology and Evolution
Biol 357  Ecology
& Biol 358  and Ecology Laboratory
GENE 302  Principles of Genetics
& GENE 312  and Comprehensive Genetics Laboratory
GENE 412  Population and Ecological Genetics
SCSC 301  Soil Science
MFPS 316  Introduction to Theory and Practice of Plant Physiology

1 Students who have taken OCNG 251 cannot take OCNG 401.

Two courses in the degree plan must be writing intensive courses designated by the Environmental Programs in the schedule of classes. Also, international and cultural diversity electives (6 hours) must be incorporated into the degrees.

Environmental Studies - BS

The increasing demands that population growth and affluence put on the natural resources and the Earth's environment require greater numbers of trained professionals and informed citizens. The Bachelor of Science
degree in Environmental Studies blends science and policy with an interdisciplinary understanding of Earth's processes and policy aspects of human interactions with the environment. The degree is designed to educate students about our planet to enable them to be knowledgeable about the scientific, human dimension and policy aspects of environmental issues facing our nation as they work in regulatory agencies, industry, and non-governmental organizations.

Program Requirements

First Year

Fall

Select one of the following:

ATMO 201 Weather and Climate
& ATMO 202 and Weather and Climate Laboratory
GEOG 203 Planet Earth
& GEOG 213 and Planet Earth Lab
GEOL 101 Principles of Geology
OCNG 251 Oceanography
& OCNG 252 and Oceanography Laboratory
GEOS 101 Introduction to the Geosciences
GEOS 105 Introduction to Environmental Geoscience
MATH 141 Business Mathematics I
POL 206 American National Government

Semester Credit Hours

Spring

Select one of the following:

ATMO 201 or Weather and Climate or Weather and
ATMO 202 Climate Laboratory
GEOG 203 Planet Earth
& GEOG 213 and Planet Earth Lab
GEOL 101 Principles of Geology
OCNG 251 Oceanography
& OCNG 252 and Oceanography Laboratory
ENGL 104 Composition and Rhetoric
GEOG 201 Introduction to Human Geography
MATH 142 Business Mathematics II
Creative arts elective (p. 22)

Semester Credit Hours

Second Year

Fall

ECON 202 Principles of Economics
GEOG 205 or Environmental Change or Climate Change
GEOG 210
POLS 207 State and Local Government
Communication elective (p. 20)
Life and physical sciences elective

Select one of the following:

BIOL 101 Botany
BIOL 107 Zoology
BIOL 111 Introductory Biology I
BIOL 112 Introductory Biology II

Spring

Select one of the following:

ATMO 321 Computer Applications in the Atmospheric Sciences
ATMO 325 Environmental Atmospheric Science
ATMO 363 Introduction to Atmospheric Chemistry and Air Pollution
ATMO 483 Air Pollution Meteorology
ATMO 491 Research
GEOG 325 Geography of Europe
GEOG 324 Global Climatic Regions
GEOG 331 Geomorphology
GEOG 352 GNSS in the Geosciences
GEOG 352
GEOG 360 Natural Hazards
GEOG 361 Remote Sensing in Geosciences
GEOG 370/ MARS 370 Coastal Processes
GEOG 400 Arid Lands Geomorphology
GEOG 404 Spatial Thinking, Perception and Behavior
GEOG 434 Hydrology and Environment
GEOG 435 Principles of Plant Geography
GEOG 442 Past Climates
GEOG 442
GEOG 450 Field Geography
GEOG 457 Advanced Topics in GIS (Geographic Information Systems)
GEOG 475 Geographic Information Systems
GEOG 491 Research
GEOG 492 Environmental Geology
GEOG 492 Research
GEOS 401 Polar Regions of the Earth: Science, Society and Discovery
GEOS 410 Global Change
GEOS 491 Research
OCNG 350 Marine Pollution
OCNG 420 Introduction to Biological Oceanography
OCNG 425 Microbial Oceanography
OCNG 430 Introduction to Geological Oceanography
OCNG 440 Introduction to Chemical Oceanography
OCNG 491 Research
Language, philosophy and culture elective (p. 21)
Life and physical sciences elective

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**Free elective**

**Term Semester Credit Hours:** 15

**Total Semester Credit Hours:** 120

1. Freshman entering the program take a first year seminar. GEOS 101: The choice is not restricted. Students transferring or changing majors into the program, who have not taken GEOS 101, are required to take GEOS 481 in their junior or senior year.

2. It is recommended to select a course that also fulfills an international and cultural diversity requirement.

3. Seek guidance about choices from the ENVP academic advisor or faculty mentor. GEOS 484 can be taken for up to 6 credits and will normally be used as an adjustment to geosciences electives, but depending on the content of the internship credit, it can be applied as an adjustment to your technical electives or policy electives. Seek guidance from the ENVP academic advisor.

4. Other courses which match the ENVP technical electives definition will be allowed by adjustment. Guidance about technical electives (including the definition used by the Environmental Programs in Geosciences) can be found on the programs’ website. Seek guidance about choices from the ENVP academic advisor or faculty mentor.

Two courses in the degree plan must be writing intensive courses designated by the Environmental Programs in the schedule of classes. Also, international and cultural diversity electives (6 hours) must be incorporated into the degree.

---

### Environmental Geosciences - 5-Year Bachelor of Science/Master of Science in Oceanography

The Fast Track Program offers motivated and exceptional students the opportunity to achieve aspirations in an efficient program at Texas A&M, completing the Bachelor of Science (B.S.) degree in the Environmental Geosciences program and the Oceanography non-thesis M.S. degree in 5 years. There will be only two courses used for dual credit in this program. There is a total of 150 hours of coursework. The concurrent degree program will enable these motivated students to coordinate the required B.S. coursework (114 undergraduate credit hours plus 6 dual credit graduate courses) and non-thesis M.S. coursework (36 credit hours including the 6 dual credit graduate courses) to complete the required credit hours for each degree without diminishing scope or quality of work and within 5 years.

**Application and Eligibility:**

- Applications to the Fast Track program will be submitted by July 1 after the completion of the student's junior year. Applications submitted after that time will be evaluated on a case by case basis.
- Applicants must have a minimum undergraduate GPR of 3.0. Applicants must also earn a C or better in all Chemistry, Calculus and Physics courses. Once admitted to the program, students must maintain a minimum 3.0 GPR.
- A faculty advisor will be assigned to each student. Students may seek additional mentors, but a formal committee is not required.
- Students admitted into the Fast Track program must finish the entire 150 credit hours to obtain both the Bachelor's and Master's degrees.
**Detail Requirements**

**Information for Degree Evaluation**

*This is NOT an official evaluation.*

**Program Evaluation**

**Limitation**
Correspondence: No more than 12 hours of correspondence earned through an accredited institution may be used for an undergraduate degree.

**Limitation**
Combination: Maximum combination of 18 hours of 481, 482, 485 and/or 491 courses may be used for an undergraduate degree.

**Limitation**
No more than 5 hours of 488 credit may be used in this degree plan.

**Program**
- BS Enst [Geosciences]
  - Catalog Term: Fall 2015 - College Station
  - Evaluation Term: Fall 2015 - College Station
  - Expected Graduation Date: Oct 28, 2015

**Campus**
- College Station

**College**
- Geosciences

**Degree**
- Bachelor of Science

**Level**
- Undergraduate

**Majors**
- Environmental Studies

**Departments**
- Geography

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**Other Course Information**
- Transfer: 0.00

This is NOT an official evaluation.

**Area Major Coursework (22.000 credits) - Not Met**

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<th>Term Subject</th>
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<th>Attribute</th>
<th>Credits</th>
<th>Grade</th>
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<td>A.</td>
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<td>B. GEOS 210 or GEOG 205 3hrs</td>
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<td>No</td>
<td>AND</td>
<td>C. GEOS 201</td>
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<td>E. GEOS 335</td>
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<td>G. GEOS 405</td>
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<tr>
<td>No</td>
<td>AND</td>
<td>L. Seminar thr</td>
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<td>Select from GEOS 101 or GEOS 481.</td>
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Total Credits and GPA: 0.00 0.00

unofficial evaluation

**Area Supporting Coursework (13.040 credits) - Not Met**

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<th>Credits</th>
<th>Grade</th>
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<tr>
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<td>Geoscience Electives 6hrs</td>
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<td>Select from: ATMO 321, 326, 363, 463, 491; GEOG 324, 331, 352, 360, 361, 370, 400, 404, 434, 435, 442, 450, 467, 475, 491; GEO 420, 491; GEOG 401, 410, 442, 491; OCCN 130, 420, 425, 430, 440, 491.</td>
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<td>AND</td>
<td>B. Technical Electives 7hrs</td>
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Complete the following:
1. Take GEOG 390 for 4hrs.
2. Select from ATM 321, 464; GEOG 312, 361, 450, 467, 475; GEOL 309, GEOG/GEOL 352; GEOS 470.

unofficial evaluation

<table>
<thead>
<tr>
<th>Area: Environmental Policy Electives (24.000 credits) - Not Met</th>
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Select remaining 9 hours from: BESC 367; ECON 203, 323, 415; GEOG 306, 309, 401, 406, 430; GEOS 444, 484; POLS 347; SOCI 328; URPN 362, 366, 371, 400.

unofficial evaluation

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<thead>
<tr>
<th>Area: Communication (6.000 credits) - Not Met</th>
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Select 3 hours from any courses with the Communication attribute [ICOM].

unofficial evaluation

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unofficial evaluation

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<thead>
<tr>
<th>Area: Life and Physical Sciences (15.000 credits) - Not Met</th>
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</table>

Select from ATM 201/202; GEOG 203/213; GEOL 101; OCNG 251/252.

No AND | B.   | Introductory Geosciences 4hrs | | | | | | | | | |          |              |

Select from ATM 201/202; GEOG 203/213; GEOL 101; OCNG 251/252 not used in Rule A.
unofficial evaluation

<table>
<thead>
<tr>
<th>Area</th>
<th>Language, Philosophy &amp; Culture (3.000 credits) - Not Met</th>
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<td>No</td>
<td>A. Lang, Phil, Culture Rqmt 3hrs</td>
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unofficial evaluation

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<td>No</td>
<td>A. Creative Arts Requirement</td>
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unofficial evaluation

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<td>A. ECON 202</td>
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unofficial evaluation

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<th>Area</th>
<th>Citizenship (12.000 credits) - Not Met</th>
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<tr>
<td>No</td>
<td>A. American History Rqmt 6hrs</td>
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<tr>
<td>No</td>
<td>AND B. Political Science Rqmt 6hrs</td>
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unofficial evaluation

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<th>Area</th>
<th>General Electives (9.000 credits) - Not Met</th>
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<td>Condition Rule Subject Attribute Low High Required Credits Required Courses Term Subject Course Title Attribute Credits Grade Source</td>
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<tr>
<td>No</td>
<td>A. General Electives 9hrs</td>
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unofficial evaluation

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<tr>
<th>Area</th>
<th>Work Not Applied - Met</th>
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<tr>
<td>Description</td>
<td>See advisor for acceptable substitutions.</td>
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<th>Area</th>
<th>University Writing Requirement - Not Met</th>
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<tr>
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<td>A.</td>
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unofficial evaluation

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<tr>
<th>Area</th>
<th>Int'l &amp; Cult Diversity - Not Met</th>
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<td>A.</td>
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<td>A.</td>
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unofficial evaluation

<table>
<thead>
<tr>
<th>Area</th>
<th>Residence Requirement - Not Met</th>
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<tbody>
<tr>
<td>Description</td>
<td>A minimum of 36 hours of 300-400 level coursework must be completed at Texas A&amp;M University. 12 hours must be in the major field.</td>
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unofficial evaluation
<table>
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<tr>
<th>No</th>
<th>Condition Rule</th>
<th>Subject</th>
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<th>Courses</th>
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<td>B.</td>
<td>Residence 300-499 24hrs</td>
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Total Credits and GPA 0.000 0.10

unofficial evaluation

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<th>Area</th>
<th>GPR-Major - Not Met</th>
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<tr>
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<td>A.</td>
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</table>

Total Credits and GPA 0.000 0.00

unofficial evaluation

Back to Display Options
My understanding is that it is only the lower level.

Chris

---

Dr. Chris Houser | Global Faculty Ambassador
Associate Dean for Undergraduate and Faculty Affairs
Associate Professor, Department of Geography
College of Geosciences | Texas A&M University

On Dec 9, 2015, at 4:42 PM, Jake Williams <jakewilliams@tamu.edu> wrote:

Good afternoon, Dr. Houser.

The following comment was made at the UCC meeting regarding the BS-ENST program.

<table>
<thead>
<tr>
<th>College of Geosciences</th>
</tr>
</thead>
<tbody>
<tr>
<td>BS in Environmental Studies</td>
</tr>
</tbody>
</table>

| Does the department want to restrict ALL ROTC courses or just the lower level from the General Electives? |

I just wanted to follow up with you quick to see if you wanted to make any updates in response to this comment?

Thank you,

Jake Williams | Administrative Coordinator
Office of the Registrar, Academic Affairs | Texas A&M University
0100 TAMU | College Station, Texas 77843

ph: 979-845-8201 | jakewilliams@tamu.edu | registrar.tamu.edu

| It’s Time for Texas A&M |

This message contains information which may be confidential and privileged. Unless you are the addressee (or authorized to receive for the addressee), you may not use, copy or disclose to anyone the
CHANGE IN CURRICULUM
COLLEGE OF GEOSCIENCES
MINOR IN CLIMATE CHANGE
Texas A&M University  
Request for a Change in Curriculum  
Undergraduate • Graduate • Professional

1. Program request type:  
   - [ ] Undergraduate  
   - [x] Graduate  
   - [ ] First Professional (ex, DVM, JD, MD, etc.)

2. Request change for:  
   - [ ] Degree Program  
   - [x] Minor  
   - [ ] Certificate

3. Request submitted by (Department or Program Name):  
   Environmental Programs in Geosciences

4. Program Designation and Name:  
   (e.g., B.A. in History, Minor in History, Certificate in European Union):  
   Minor in Climate Change

5. Brief description of change:  
   add ATMO 324 as one option among several; add restriction "ENG students may not select this minor"

6. Rationale for change:  
   ATMO 324 is relevant to the content of this minor; ENGS students may select a Climate Change track in their degree program.

---

Use the checkboxes below to make sure that all information is included.

7. a. Proposed curriculum attached.  
   - [x] Yes  
   - [ ] No

   b. Current catalog curriculum with handwritten edits attached.  
   - [x] Yes  
   - [ ] No

   c. Current Howdy degree evaluation with handwritten edits attached.  
   - [x] Yes  
   - [ ] No

   Please make sure the attached proposed curriculum, catalog and Howdy degree evaluation match.

8. a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes?  
   - [ ] Yes  
   - [x] No

   b. If yes, degree program hours will change _______ to: _______

   c. If yes, is the Texas Higher Education Coordinating Board form attached?  
   - [ ] Yes  
   - [ ] No

   http://www.thecb.state.tx.us/index.cfm?objectid=A0F9F7FA-9A92-4E11-7276AD3BBFF01D60

9. If proposed changes affect other unit(s), are letters of support attached?  
   - [ ] Yes  
   - [x] No

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UCCGC, January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:

Christian Braunnstrom  
Department Head or Program Chair (Type Name & Sign)  
Date

Dean of College  
Date

Chair, College Review Committee  
Date

Chair, GC or UCC  
Date

Questions regarding this form should be directed to Curricular Services at 845-8201 or sandra.williams1@tamu.edu.
Curricular Services – 04/14
15 September 2015

MEMORANDUM

TO: Dr. Chris Houser, Undergraduate and Faculty Affairs, College of Geosciences

FROM: Dr. Christian Brannstrom, Director of Environmental Programs in Geosciences

SUBJECT: Curricular Changes to ENVP minors

We request the following changes to the Climate Change minor:

- ATMO 324 should be added;
- Environmental Geosciences students may not select this minor
1. Freshmen entering the program take a first-year seminar, GEOS 101. The choice is not restricted. Students transferring or changing majors into the program, who have not taken GEOS 101, are required to take GEOS 481 in their junior or senior year.

2. It is recommended to select a course that also fulfills an International and Cultural Diversity requirement.

3. Select from course list below. If students use nine credits of allowed OCNG courses (e.g., OCNG 401, OCNG 350, OCNG 451, OCNG 488) as Coastal and Marine Environments theme electives, they will receive an OCNG minor with their BS in ENGS degree. If one of the Introductory Geoscience course and associated labs listed in Year Two is OCNG 251 with OCNG 222, then only two (six credits) of the theme electives needs to be from OCNG to still get the minor.

4. Students will not be permitted to receive credit for both the 400- and 600-level versions of certain courses because the content and learning outcomes are too similar (e.g., OCNG 440/OCNG 640; GEOS 470/OCNG 657).

5. These two graduate courses will be taken for dual undergraduate/graduate credit and will contribute to the minor.

Coastal and Marine Environments Theme List

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>GEOG 370</td>
<td>Coastal Processes</td>
<td>3</td>
</tr>
<tr>
<td>MARS 370</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>OCNG 401</td>
<td>Interdisciplinary Oceanography</td>
<td>3</td>
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<tr>
<td>Select the remaining courses from the following:</td>
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<td></td>
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<tr>
<td>GEOG 331</td>
<td>Geomorphology</td>
<td>3</td>
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<tr>
<td>GEOG 350</td>
<td>Natural Hazards</td>
<td>3</td>
</tr>
<tr>
<td>GEOL 306</td>
<td>Sedimentology and Stratigraphy</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 440</td>
<td>Engineering Geology</td>
<td>3</td>
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<tr>
<td>GEOS 444</td>
<td>The Science and Politics of Global Climate Change</td>
<td>3</td>
</tr>
<tr>
<td>GEOS 484</td>
<td>Internship</td>
<td>0-6</td>
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<tr>
<td>OCNG 350</td>
<td>Marine Pollution</td>
<td>3</td>
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<tr>
<td>OCNG 410</td>
<td>Introduction to Physical Oceanography</td>
<td>3</td>
</tr>
<tr>
<td>OCNG 420</td>
<td>Introduction to Biological Oceanography</td>
<td>3</td>
</tr>
<tr>
<td>OCNG 425</td>
<td>Microbial Oceanography</td>
<td>3</td>
</tr>
<tr>
<td>OCNG 430</td>
<td>Introduction to Geological Oceanography</td>
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<td>OCNG 440</td>
<td>Introduction to Chemical Oceanography</td>
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<tr>
<td>WFSC 418</td>
<td>Ecology of the Coastal Zone</td>
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<td>WFSC 425</td>
<td>Marine Fisheries</td>
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<tr>
<td>WFSC 426</td>
<td>Wetland Ecosystem Management</td>
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</table>

Two courses in the degree plan must be writing-intensive courses designated by the Environmental Programs in the schedule of classes. Also, International and Cultural Diversity electives (6 hours) must be incorporated into the degree.

Any of the required courses may be taken during the summer sessions to diminish the heavy semester loads during Years 2 and 3.

Climate Change - Minor

The College of Geosciences offers a minor in Climate Change. For specific program information, please reference the program requirements.

Program Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOS 210</td>
<td>Climate Change</td>
<td>3</td>
</tr>
</tbody>
</table>

Select the remaining courses from the following: 13

ATMO 201 Weather and Climate
or GEOS Introduction to Environmental Geoscience 105
GEOS 309 Geography of Energy
GEOS 324 Global Climatic Regions
GEOS Past Climates
ATMO 42/GEOS 442
GEOS 401 Polar Regions of the Earth: Science, Society and Discovery
GEOS 410 Global Change
GEOS 444 The Science and Politics of Global Climate Change
GEOS 481 Seminar

Total Semester Credit Hours 16

Students choosing to complete a minor in Climate Change must meet the following requirements:

- A minimum of 6 hours must be taken in residence at either Texas A&M University/College Station or Galveston.
- A minimum cumulative GPR of 2.0 must be achieved for all courses in the minor.
- Take a minimum of 15 hours of coursework, of which 3 hours of GEOS 210 Climate Change are required.
- The remaining 13 hours must include at least 3 hours of 400-level coursework and another 3 hours of upper-level (300- or 400-level) coursework from the list.
- Students with majors in the College of Geosciences must select only courses outside of their home department.

Earth Sciences - Minor

The purpose of the Earth Sciences minor is to study the different physical earth processes and systems.

Students choosing to complete a minor in Earth Sciences must meet the following requirements:

- A minimum of 6 hours must be taken in residence at either Texas A&M University/College Station or Galveston.
- A minimum cumulative GPR of 2.0 must be achieved for all courses in the minor.
- Take a minimum of 15 hours of coursework in the College of Geosciences.
- The 15 hours must include at least 3 hours of 400-level coursework and another 3 hours of upper-level (300- or 400-level) coursework from the list.
- Students with majors in the College of Geosciences must select only courses outside of their home department.

Program Requirements

Select courses from at least three of the following five groups:

Group 1
ATMO 201 Weather and Climate
ATMO 202 Weather and Climate Laboratory
ATMO 324 Physical and Regional Climatology
ATMO 441 Satellite Meteorology and Remote Sensing
unofficial evaluation

Area: Work Not Applied - Met
Description: See advisor for acceptable substitutions.

<table>
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<th>Rule</th>
<th>Subject</th>
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unofficial evaluation

Area: Climate Change Minor (15.000 credits) - Not Met
Description: Minimum of 6 hours at 300-400 level.
Minimum 3 hours of 400-level coursework.
Minimum 2.0 cumulative GPA.
Geosciences Majors must select courses outside their home department.

<table>
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<td>AND</td>
<td>B. Technical Electives 3hrs</td>
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</table>

Select 13 hours from the following courses: ATMO 201 or GECS 105; GEOS 309, 324; GEOS 401, 410, GEOD/GEOS 442, GECS 444, 481. Add ATMO 324

unofficial evaluation

Area: University Writing Requirement - Not Met

<table>
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Two courses required. Only sections of ATMO 456, 459, 463, 491; GEOS 309, 324, 360, 404, 430, 415, 476, 491; GEOL 301, 311-312, 410 420, 440, 491; GEOP 491; GEOS 405, 491; UGST 491 with the Writing attribute [UWRT] may be used to satisfy this requirement.

unofficial evaluation

Area: Int'l & Cult Diversity - Not Met:

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Select from courses with the International and Cultural Diversity attribute (LCD) except sections of BUSR 289 with the UWRT attribute.

unofficial evaluation

Area: Foreign Language - Not Met
CHANGE IN CURRICULUM

COLLEGE OF GEOSCIENCES

MINOR IN EARTH SCIENCES
Texas A&M University
Request for a Change in Curriculum
Undergraduate • Graduate • Professional

1. Program request type:
   - Undergraduate [✓]
   - Graduate [ ]
   - First Professional (e.g., DFM, ID, MD, etc.) [ ]
   - Degree Program [ ]
   - Minor [✓]
   - Certificate [ ]

2. Request change for:
   Environmental Programs in Geosciences

3. Request submitted by (Department or Program Name):
   Program Designation and Name:
   (e.g., B.A. in History, Minor in History, Certificate in European Union):
   Minor in Earth Sciences

4. Brief description of change:
   add OCNG 425 as one option among several; add restriction "ENGs and ENST students may not select this minor"

5. Rationale for change:
   OCNG 425 is relevant to the content of this minor; this curriculum is redundant for ENGS and ENST students.

---

Use the checkboxes below to make sure that all information is included.

7. a. Proposed curriculum attached. [✓]
   b. Current catalog curriculum with handwritten edits attached. [✓]
   c. Current Howdy degree evaluation with handwritten edits attached. [✓]

   Please make sure the attached proposed curriculum, catalog and Howdy degree evaluation match.

8. a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes? [ ] Yes [✓] No
   b. If yes, degree program hours will change from: _______ to: _______
   c. If yes, is the Texas Higher Education Coordinating Board form attached?
      http://www.thech.state.tx.us/index.cfm?objectid=A0F9F7FA-9A92-4F11-2756AD3BBFF01D60 [ ] Yes [ ] No

9. If proposed changes affect other unit(s), are letters of support attached? [ ] Yes [✓] No

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UCC/GC, January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:
Christian Brannstrom [Signature] 11/2/2015
Department Head or Program Chair (Type Name & Sign) Date

Chair, College Review Committee [Signature] 11/11/15

Dean of College [Signature] 11/15/15

Chair, GC or UCC [Signature] Date

RECEIVED
NOV 12 2015
CURRICULAR SERVICES

Questions regarding this form should be directed to Curricular Services at 845-8201 or sandra-williams@tamu.edu
Curricular Services – 04/14
15 September 2015

MEMORANDUM

TO: Dr. Chris Houser, Undergraduate and Faculty Affairs, College of Geosciences
FROM: Dr. Christian Brannstrom, Director of Environmental Programs in Geosciences
SUBJECT: Curricular Changes to ENVP minors

We request the following changes to the Earth Science minor:

- OCNG 425 should be added;

- Environmental Geosciences and Environmental Studies students may not select this minor
Freshmen entering the program take a first year seminar, GEOS 101. The choice is not restricted. Students transferring or changing majors into the program, who have not taken GEOS 101, are required to take GEOS 481 in their junior or senior year.

It is recommended to select a course that also fulfills an International and Cultural Diversity (p. 34) requirement.

Select from course list below. If students use nine credits of allowed OCNG courses (e.g., OCNG 401, OCNG 350, OCNG 451, OCNG 485) as Coastal and Marine Environments theme electives, they will receive an OCNG minor with their BS in ENGS degree. If one of the Introductory Geoscience course and associated labs listed in Year Two is OCNG 251 with OCNG 222, then only two (six credits) of the theme electives need to be from OCNG to still get the minor.

Students will not be permitted to receive credit for both the 400- and 600-level versions of certain courses because the content and learning outcomes are too similar (e.g., OCNG 440/OCNG 640, GEOS 470/OCNG 657).

These two graduate courses will be taken for dual undergraduate/graduate credit and will contribute to the minor.

Coastal and Marine Environments Theme List

- GEOG 370/ MARS 370 Coastal Processes
- OCNG 401 Interdisciplinary Oceanography

Select the remaining courses from the following:

- GEOG 331 Geomorphology
- GEOG 360 Natural Hazards
- GEOL 306 Sedimentology and Stratigraphy
- GEOL 440 Engineering Geology
- GEOS 444 The Science and Politics of Global Climate Change
- GEOS 484 Internship
- OCNG 350 Marine Pollution
- OCNG 410 Introduction to Physical Oceanography
- OCNG 420 Introduction to Biological Oceanography
- OCNG 425 Microbial Oceanography
- OCNG 430 Introduction to Geological Oceanography
- OCNG 440 Introduction to Chemical Oceanography
- WFSC 418 Ecology of the Coastal Zone
- WFSC 425 Marine Fisheries
- WFSC 428 Wetland Ecosystem Management

Two courses in the degree plan must be writing intensive courses designated by the Environmental Programs in the schedule of classes. Also, international and cultural diversity electives (6 hours) must be incorporated into the degree.

Any of the required courses may be taken during the summer sessions to diminish the heavy semester loads during Years 2 and 3.

Climate Change - Minor

The College of Geosciences offers a minor in Climate Change. For specific program information, please reference the program requirements.

Program Requirements

- GEOS 210 Climate Change

Select the remaining courses from the following:

ATMO 201 Weather and Climate
or GEOS 201 Introduction to Environmental Geoscience
105

GEOS 309 Geography of Energy

GEOS 324 Global Climatic Regions

GEOS 410 Polar Regions of the Earth: Science, Society and Discovery

GEOS 440 The Science and Politics of Global Climate Change

GEOS 481 Seminar

Total Semester Credit Hours

16

Students choosing to complete a minor in Climate Change must meet the following requirements:

- A minimum of 6 hours must be taken in residence at either Texas A&M University/College Station or Galveston.
- A minimum cumulative GPR of 2.0 must be achieved for all courses in the minor.
- Take a minimum of 16 hours of coursework, of which 3 hours of GEOS 210 Climate Change are required.
- The remaining 13 hours must include at least 3 hours of 400-level coursework and another 3 hours of upper-level (300- or 400-level) coursework from the list.
- Students with majors in the College of Geosciences must select only courses outside of their home department.

Earth Sciences - Minor

The purpose of the Earth Sciences minor is to study the different physical earth processes and systems.

Students choosing to complete a minor in Earth Sciences must meet the following requirements:

- A minimum of 6 hours must be taken in residence at either Texas A&M University/College Station or Galveston.
- A minimum cumulative GPR of 2.0 must be achieved for all courses in the minor.
- Take a minimum of 15 hours of coursework in the College of Geosciences.
- The 15 hours must include at least 3 hours of 400-level coursework and another 3 hours of upper-level (300- or 400-level) coursework from the list.
- Students with majors in the College of Geosciences must select only courses outside of their home department.

Program Requirements

Select courses from at least three of the following five groups:

Group 1

ATMO 201 Weather and Climate

ATMO 202 Weather and Climate Laboratory

ATMO 324 Physical and Regional Climatology

ATMO 441 Satellite Meteorology and Remote Sensing
Environmental Geosciences - Minor

The purpose of the Environmental Geosciences minor is to study the environmental impacts on the different earth systems.

Students in the Environmental Programs are not allowed to declare Environmental Geosciences as a minor.

Students of other disciplines choosing to complete a minor in Environmental Geosciences must meet the following requirements:

- A minimum of 6 hours must be taken in residence at either Texas A&M University/College Station or Galveston.
- A minimum cumulative GPA of 2.0 must be achieved for all courses in the minor.
- Take a minimum of 15 hours of coursework in the College of Geosciences, of which 3 hours of GEOS 105 is required.
- The remaining 12 hours must include at least 3 hours of 400-level coursework and another 3 hours of upper-level (300- or 400-level) coursework from the list.
- Students with majors in the College of Geosciences must select only courses outside of their home department.

Program Requirements

Some of the courses have prerequisites, so make sure to check the catalog before enrolling in the course.

GEOS 105 Introduction to Environmental Geoscience 3
Select remaining courses from at least three of the following five groups.

Group 1
ATMO 328 Environmental Atmospheric Science
ATMO 383 Introduction to Atmospheric Chemistry and Air Pollution
ATMO 483 Air Pollution Meteorology
ATMO 484 Laboratory Methods in Atmospheric Sciences

Group 2
GEOG 205 Environmental Change
GEOG 309 Geography of Energy
GEOG 330 Resources and the Environment
GEOG 380 Workshop in Environmental Studies
GEOG 430 Environmental Justice
GEOG 467 Dynamic Modeling of Earth and Environmental Systems

Group 3
GEOG 410 Hydrogeology
GEOG 420 Environmental Geology
GEOG 451 Introduction to Geochemistry

Group 4
GEOS 210 Climate Change
GEOS 410 Global Change
GEOS 420 Global Science and Policy Making
GEOS 444 The Science and Politics of Global Climate Change

Group 5
OCNG 420 Introduction to Biological Oceanography
unofficial evaluation

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<td>A minimum GPA of 2.00 is required, at least 6 hours must be at the 300-400 level course and a minimum of 6 hours must be taken in residence at TAMU.</td>
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<td>B) GEOG 203, 309, 324, 331, 360, 361, 370, 390, 400, 434, 462, 467.</td>
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<td>C) GEOL 101, 104, 203, 301, 302, 306, 308, 312, 410; GEOP 341, 413.</td>
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<td>D) GEOS 401, 442, 470.</td>
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<td>E) OCN 251, 401, 252, 410, 430, 440.</td>
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<tr>
<td>No AND</td>
<td>B. Requirement II 6hrs Must make grade of 'C' or better. Select from ATMO 201, 202, 324, 441; GEOG 203, 309, 324, 331, 360, 361, 370, 390, 400, 434, 462, 467; GEOL 101, 104, 203, 301, 302, 306, 308, 312, 410; GEOP 341, 413; GEOS 401, 442, 470; OCN 251, 401, 252, 410, 430, 440.</td>
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unofficial evaluation

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CHANGE IN CURRICULUM

COLLEGE OF GEOSCIENCES

MINOR IN ENVIRONMENTAL GEOSCIENCES
Texas A&M University
Request for a Change in Curriculum
Undergraduate • Graduate • Professional

1. Program request type:  
   - □ Undergraduate  
   - □ Graduate  
   - □ First Professional (e.g., DVM, JD, MD, etc.)

2. Request change for:
   □ Degree Program  
   - □ Minor  
   - □ Certificate

3. Request submitted by (Department or Program Name):
   Environmental Programs in Geosciences

4. Program Designation and Name:
   (e.g., B.A. in History, Minor in History, Certificate in European Union):
   Minor in Environmental Geosciences

5. Brief description of change:
   add OCNG 350 as one option among several; add restriction "ENGS and ENST students may not select this minor"

6. Rationale for change:
   OCNG 350 is relevant to the content of this minor; this curriculum is redundant for ENGS and ENST students.

---

Use the checkboxes below to make sure that all information is included.

7. a. Proposed curriculum attached.  
   - □ Yes  
   - □ No

   b. Current catalog curriculum with handwritten edits attached.  
   - □ Yes  
   - □ No

   c. Current Howdy degree evaluation with handwritten edits attached.  
   - □ Yes  
   - □ No

   Please make sure the attached proposed curriculum, catalog and Howdy degree evaluation match.

8. a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes?  
   - □ Yes  
   - □ No

   b. If yes, degree program hours will change from: _______ to: _______

   c. If yes, is the Texas Higher Education Coordinating Board form attached?  
   - □ Yes  
   - □ No

   http://www.thecb.state.tx.us/index.cfm?objectid=AO9FF7FA-9A92-4F11-2756AD3BBFF01D60

9. If proposed changes affect other unit(s), are letters of support attached?  
   - □ Yes  
   - □ No

---

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UCC/GC, January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:  
Christian Brunnstrom  
Department Head or Program Chair (Type Name & Sign)  
Date  
Dean of College  
Date  
Chair, College Review Committee  
Date  
Chair, GC or UCC

Questions regarding this form should be directed to Curricular Services at 845-8201 or sandra-williams@tamu.edu.
Curricular Services – 04/14
15 September 2015

MEMORANDUM

TO: Dr. Chris Houser, Undergraduate and Faculty Affairs, College of Geosciences

FROM: Dr. Christian Brannstrom, Director of Environmental Programs in Geosciences

SUBJECT: Curricular Changes to ENVP minors

We request the following changes to the Environmental Geosciences minor:

-OCNG 350 should be added;

-Environmental Geosciences and Environmental Studies students may not select this minor
Environmental Geosciences - Minor

The purpose of the Environmental Geosciences minor is to study the environmental impacts on the different earth systems.

Students in the Environmental Programs are not allowed to declare Environmental Geosciences as a minor.

Students of other disciplines choosing to complete a minor in Environmental Geosciences must meet the following requirements:

- A minimum of 6 hours must be taken in residence at either Texas A&M University/College Station or Galveston.
- A minimum cumulative GPA of 2.0 must be achieved for all courses in the minor.
- Take a minimum of 15 hours of coursework in the College of Geosciences, of which 3 hours of GEOS 105 is required.
- The remaining 12 hours must include at least 3 hours of 400-level coursework and another 3 hours of upper-level (300- or 400-level) coursework from the list.
- Students with majors in the College of Geosciences must select only courses outside of their home department.

Some of the courses have prerequisites so make sure to check the catalog before enrolling in the course.

GEOS 105 Introduction to Environmental Geoscience 3
Select remaining courses from at least three of the following five groups. 12

Group 1
ATMO 326 Environmental Atmospheric Science
ATMO 363 Introduction to Atmospheric Chemistry and Air Pollution
ATMO 463 Air Pollution Meteorology
ATMO 464 Laboratory Methods in Atmospheric Sciences

Group 2
GEOG 205 Environmental Change
GEOG 309 Geography of Energy
GEOG 330 Resources and the Environment
GEOG 380 Workshop in Environmental Studies
GEOG 430 Environmental Justice
GEOG 467 Dynamic Modeling of Earth and Environmental Systems

Group 3
GEOG 410 Hydrogeology
GEOG 420 Environmental Geology
GEOG 451 Introduction to Geochemistry

Group 4
GEOS 210 Climate Change
GEOS 410 Global Change
GEOS 430 Global Science and Policy Making
GEOS 444 The Science and Politics of Global Climate Change

Group 5
OCNG 420 Introduction to Biological Oceanography

OCNG 350 Marine Pollution
CCNG 440 Introduction to Chemical Oceanography

Total Semester Credit Hours 15

1 At least 6 hours must be upper level, 3 of which must be 400 level.

Diversity - Certificate

The College of Geosciences, in collaboration with the Department of Multicultural Services, offers a Diversity Certificate program for Geosciences majors. The goal of the program is two-fold:

1. to offer Geosciences students an opportunity to synthesize and integrate academic coursework with co-curricular and service learning experiences to demonstrate their preparedness to participate successfully in contemporary, highly diverse global societies; and
2. to promote diversity, multiculturalism, and internationalism in the College of Geosciences.

Program Requirements

Certificate requirements include nine semester hours of diversity-related courses, at least one of which must be from the College of Geosciences, and completion of a special section of GEOS 484 to fulfill the co-curricular, service learning and capstone component of the certificate. Students are encouraged to build the coursework into their degree plans as much as possible through careful planning. Information on the program is available from the Associate Dean for Academic Affairs, Room 202 Eddy O&M Building and departmental academic advisors.

Department of Atmospheric Sciences

Students in the Department of Atmospheric Sciences enjoy low student-to-teacher ratios and small classes. Undergraduates have opportunities for individual study and for participation in faculty research projects, including regional, national and international field programs.

Faculty

Bowman, Kenneth P, Professor
Atmospheric Sciences
PhD, Princeton University, 1984

Brooks, Sarah D, Associate Professor
Atmospheric Sciences
PhD, University of Colorado, 2002

Collins, Donnel D, Professor
Atmospheric Sciences
PhD, California Institute of Technology, 2000

Conlee, Don T, Instructional Professor
Atmospheric Sciences
PhD, Texas A&M University, 1994

Dessler, Andrew E, Professor
Atmospheric Sciences
PhD, Harvard University, 1994

Epifanio, Craig C, Associate Professor
Atmospheric Sciences
PhD, University of Washington, 1999

Korty, Robert L, Associate Professor
Atmospheric Sciences
PhD, Massachusetts Institute of Technology, 2005

Lemmon, Mark T, Associate Professor
Atmospheric Sciences
PhD, University of Arizona, 1994

Logan, Timothy S, Lecturer
Atmospheric Sciences
PhD, University of North Dakota, 2014

Nasiri, Shaima L, Associate Professor
Atmospheric Sciences
PhD, University of Wisconsin-Madison, 2004

Nielsen-Gammon, John W, Professor
Atmospheric Sciences
PhD, Massachusetts Institute of Technology, 1990

North, Jerry R, Distinguished Professor
Atmospheric Sciences
PhD, University of Wisconsin, 1966

Nowotarski, Christopher J, Assistant Professor
Atmospheric Sciences
PhD, Pennsylvania State University, 2013

Orville, Richard E, Research Professor
Atmospheric Sciences
PhD, University Arizona, 1966

Panetta, Richard L, Professor
Atmospheric Sciences
PhD, University of Wisconsin, 1978

Rapp, Anita D, Assistant Professor
Atmospheric Sciences
PhD, Colorado State University, 2008

Saravanan, Ramalingam, Professor
Atmospheric Sciences
PhD, Princeton University, 1990

Schade, Gunnar W, Associate Professor
Atmospheric Sciences
PhD, Johannes Gutenberg Universitat, Germany, 1997

Schumacher, Courtney, Professor
Atmospheric Sciences
PhD, University of Washington, 2003

Szunyogh, Istvan, Professor
Atmospheric Sciences
PhD, Hungarian Academy of Sciences, 1994

Wilheit, Thomas T, Research Professor
Atmospheric Sciences
PhD, Massachusetts Institute of Technology, 1963

Winkley, Shel D, Visiting Lecturer
Atmospheric Sciences
BS, Texas A&M University, 2007
Detail Requirements

Information for Degree Evaluation

- This is NOT an official evaluation.

Program Evaluation

Limitation
- Correspondence: No more than 12 hours of correspondence earned through an accredited institution may be used for an undergraduate degree.
- Combination: Maximum combination of 18 hours of 481, 482, 485 and/or 491 courses may be used for an undergraduate degree.

Program: NS FIRST [Geosciences]
Campus: College Station
College: Geosciences
Degree: Bachelor of Science
Level: Undergraduate
Majors: Environmental Studies
Departments: Geography

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</table>

This is NOT an official evaluation.

Area: Major Coursework (22.00 credits) - Not Met

<table>
<thead>
<tr>
<th>Met Condition</th>
<th>Rule Subject</th>
<th>Attribute Low High Required Credits</th>
<th>Required Courses</th>
<th>Term Subject Course Title Attribute Credits Grade Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A. GEOS 105</td>
<td></td>
<td></td>
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<tr>
<td>No AND</td>
<td>B. GEOS 210 or GEOS 205 3hrs</td>
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<tr>
<td>No AND</td>
<td>C. GEOS 201</td>
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<tr>
<td>No AND</td>
<td>D. GEOS 330</td>
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<tr>
<td>No AND</td>
<td>E. GEOS 335</td>
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<tr>
<td>No AND</td>
<td>F. GEOS 380</td>
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<tr>
<td>No AND</td>
<td>G. GEOS 405</td>
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<tr>
<td>No AND</td>
<td>I. Seminar 1hr</td>
<td></td>
<td></td>
<td>Select from GEOS 101 or GEOS 481.</td>
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unofficial evaluation

Area: Supporting Coursework (13.03 credits) - Not Met

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<th>Rule Subject</th>
<th>Attribute Low High Required Credits</th>
<th>Required Courses</th>
<th>Term Subject Course Title Attribute Credits Grade Source</th>
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</thead>
<tbody>
<tr>
<td>No</td>
<td>A. Geoscience Electives 8hrs</td>
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<tr>
<td>No AND</td>
<td>B. Technical Electives 7hrs</td>
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unofficial evaluation

Area Environmental Policy Electives (24.000 credits) - Not Met

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<th>Attribute</th>
<th>Low</th>
<th>High</th>
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<th>Credits</th>
<th>Courses</th>
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<th>Credits</th>
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<td>AGEC 350</td>
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<tr>
<td>No</td>
<td>AND B.</td>
<td>GEOG 304</td>
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<td>No</td>
<td>AND C.</td>
<td>GEOS 430</td>
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<tr>
<td>No</td>
<td>AND D.</td>
<td>PHIL 314</td>
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<tr>
<td>No</td>
<td>AND E.</td>
<td>RENR 470</td>
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<tr>
<td>No</td>
<td>AND F.</td>
<td>Enviro Policy Elect 9hrs</td>
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<td></td>
<td>Select remaining 9 hours from: BESC 367; ECON 203, 323, 435; GEOG 306, 309, 401, 406, 430; GEOS 444, 484; POLS 347; SOCI 328; UNAP 202, 360, 371, 460.</td>
<td>[\text{Total Credits and GPA} \quad 0.00 \quad .00]</td>
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unofficial evaluation

Area Communication (6.000 credits) - Not Met

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<th>Low</th>
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<th>Required</th>
<th>Credits</th>
<th>Courses</th>
<th>Term Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
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<tr>
<td>No</td>
<td>A.</td>
<td>ENGL 104</td>
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<td>No</td>
<td>AND B.</td>
<td>Communication Req: 3 hrs</td>
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<td>Select 3 hours from any courses with the Communication attribute [XCOM].</td>
<td>[\text{Total Credits and GPA} \quad 0.00 \quad .00]</td>
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unofficial evaluation

Area Mathematics (9.000 credits) - Not Met

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<th>Low</th>
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<th>Required</th>
<th>Credits</th>
<th>Courses</th>
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<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
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<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>MATH 141</td>
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<tr>
<td>No</td>
<td>AND B.</td>
<td>MATH 142</td>
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<tr>
<td>No</td>
<td>AND C.</td>
<td>STAT 303</td>
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unofficial evaluation

Area Life and Physical Sciences (15.000 credits) - Not Met

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<th>Subject</th>
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<th>Low</th>
<th>High</th>
<th>Required</th>
<th>Credits</th>
<th>Courses</th>
<th>Term Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Grade</th>
<th>Source</th>
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</thead>
<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>Introductory Geosciences 4hrs</td>
<td>Select from ATMO 201/202; GEOG 203/213; GEOL 101; OCNG 251/252.</td>
<td></td>
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<td>[\text{Total Credits and GPA} \quad 0.00 \quad .00]</td>
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</tr>
<tr>
<td>No</td>
<td>AND B.</td>
<td>Introductory Geosciences 4hrs</td>
<td>Select from ATMO 201/202; GEOG 203/213; GEOL 101; OCNG 251/252 not used in Rule A.</td>
<td></td>
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</tr>
</tbody>
</table>
unofficial evaluation

Area: Language, Philosophy & Culture (3.000 credits) - Not Met
Met: Condition Rule Subject Attribute Low High Required Credits Required Courses
No  A.  Lang, Phil, Culture Rqmt 3hrs
   Select any course with the Language, Philosophy and Culture attribute [LPC].
Total Credits and GPA 0.000 .00

unofficial evaluation

Area: Creative Arts (3.000 credits) - Not Met
Met: Condition Rule Subject Attribute Low High Required Credits Required Courses
No  A.  Creative Arts Requirement
   Select three hours from any course with the Creative Arts attribute [CA].
Total Credits and GPA 0.000 .00

unofficial evaluation

Area: Social and Behavioral Science (3.000 credits) - Not Met
Met: Condition Rule Subject Attribute Low High Required Credits Required Courses
No  A.  ECON 202
Total Credits and GPA 0.000 .00

unofficial evaluation

Area: Citizenship (12.000 credits) - Not Met
Description: Completion of 4 semesters of upper-level ROTC may be substituted for 3 hours of American History and 3 hours of Political Science.
Met: Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Courses
No  A.  American History Rqmt 6hrs
   Select from any course with the [AHSE] attribute.
No  AND  B.  Political Science Rqmt 6hrs
   Take POLS 206 and POLS 207.
Total Credits and GPA 0.000 .00

unofficial evaluation

Area: General Electives (9.000 credits) - Not Met
Met: Condition Rule Subject Attribute Low High Required Credits Required Courses
No  A.  General Electives 9hrs
Select any course from 100-499 not used elsewhere.

<table>
<thead>
<tr>
<th>Area</th>
<th>Work Not Applied - Met</th>
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<tbody>
<tr>
<td>Description</td>
<td>See advisor for acceptable substitutions.</td>
</tr>
<tr>
<td>Met</td>
<td>Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Grade Source Credits Courses</td>
</tr>
<tr>
<td>No</td>
<td>A. Courses not applied</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>No</th>
<th>AID</th>
<th>B. Requirement I 9hrs</th>
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<tr>
<td></td>
<td></td>
<td>courses from at least three of the following groups:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A) ATMO 326, 363, 463, 464</td>
</tr>
<tr>
<td></td>
<td></td>
<td>B) GEOG 309, 324, 360, 404, 430, 476, 491</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C) GEOL 310, 311-312, 410 420, 440, 491; UOCT 491; ENSS 460, 491; UOCT 491 with the Writing attribute [UWRT] may be used to satisfy this requirement.</td>
</tr>
<tr>
<td></td>
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<td>350 OCNG 350</td>
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</table>

<table>
<thead>
<tr>
<th>No</th>
<th>AID</th>
<th>C. Requirement II 3hrs</th>
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<tr>
<td></td>
<td></td>
<td>Select from ATMO 326, 363, 463, 464; GEOG 309, 324, 360, 404, 430, 476, 491; GEOL 310, 311-312, 410 420, 440, 491; GEOP 491; GEOG 460, 491; UOCT 491 with the Writing attribute [UWRT] may be used to satisfy this requirement.</td>
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<td>350 OCNG 350</td>
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<table>
<thead>
<tr>
<th>Area</th>
<th>University Writing Requirement - Not Met</th>
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<tbody>
<tr>
<td>Met</td>
<td>Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Grade Source Credits Courses</td>
</tr>
<tr>
<td>No</td>
<td>A. Writing Requirement</td>
</tr>
<tr>
<td></td>
<td>Two courses required.</td>
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<td></td>
<td>Only sections of ATMO 456, 459, 463, 491; GEOG 309, 324, 360, 404, 430, 415, 476, 491; GEOL 301, 311-312, 410 420, 440, 491; GEOP 491; GEOG 405, 491; UOCT 491; UOCT with the Writing attribute [UWRT] may be used to satisfy this requirement.</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>Area</th>
<th>Int'l &amp; Cult Diversity - Not Met</th>
</tr>
</thead>
<tbody>
<tr>
<td>Met</td>
<td>Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Grade Source Credits Courses</td>
</tr>
<tr>
<td>No</td>
<td>A. Int'l &amp; Cultural Diversity 6hr</td>
</tr>
<tr>
<td></td>
<td>Select from courses with the International and Cultural Diversity attribute [UCID] (except sections of BUSN 289 with the UWRT attribute.</td>
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Total Credits and GPA 0.000 .00
unofficial evaluation

Area: Foreign Language - Not Met

<table>
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<tr>
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<th>Condition</th>
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<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
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<th>Required</th>
<th>Credits</th>
<th>Term Subject</th>
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<th>Attribute</th>
<th>Credits</th>
<th>Grade</th>
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<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>Foreign Language Reqnt.</td>
<td></td>
<td>Complete one of the following:</td>
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<td></td>
<td></td>
<td>1. Two years of the same foreign language in High School.</td>
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<td>2. A two semester sequence of the same foreign language for University credit.</td>
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Total Credits and GPA: 0.000 .00

unofficial evaluation

Area: Residence Requirement - Not Met

Description: A minimum of 36 hours of 300–400 level coursework must be completed at Texas A&M University. 12 hours must be in the major field.

<table>
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<th>Required</th>
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<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Grade</th>
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<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>Residence-Major 12hrs</td>
<td></td>
<td>Select from AGEC 350; ATMO 321, 464; BESC 367; ECON 323, 435; GEOG 304, 312, 330, 332, 335, 352, 351, 380, 390, 405, 450, 467, 475; GEOI 309, 362, 420; GEOS 405, 430, 444, 470; PHIL 114; POLS 347; REMA 479; SOCI 328; SRFP 360, 371, 460.</td>
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<td>No</td>
<td>AND</td>
<td>B.</td>
<td>Residence 300–499 24hrs</td>
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<td>Select any 300 or 400 level courses.</td>
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Total Credits and GPA: 0.000 .00

unofficial evaluation

Area: GPA-Major - Not Met

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<th>Credits</th>
<th>Grade</th>
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<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>Major GPA 33+ Hrs</td>
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<td>Select from ATMO 201, 202; GEOG 201, 203, 205, 213, 330, 335, 380; GEOI 301, 104; GEOS 101, 105, 210, 405, 481; OCCG 251, 252.</td>
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Total Credits and GPA: 0.000 .00

unofficial evaluation

Back to Display Options
CHANGE IN CURRICULUM

COLLEGE OF GEOSCIENCES

DEPARTMENT OF GEOGRAPHY

BS IN GEOGRAPHIC INFORMATION SCIENCE AND TECHNOLOGY

ALL TRACKS
Texas A&M University
Request for a Change in Curriculum
Undergraduate • Graduate • Professional

1. Program request type:  
   ☑ Undergraduate  ☐ Graduate  ☐ First Professional (e.g., DVM, JD, MD, etc.)

2. Request change for:  
   ☑ Degree Program  ☐ Minor  ☐ Certificate

3. Request submitted by (Department or Program Name): Geography

4. Program Designation and Name  
   (e.g., B.A. in History, Minor in History, Certificate in European Union): B.S. in GIST

5. Brief description of change  
   We are adding one course as required course option for all tracks of the GIST degree. The degree will require either ESSM 459 (Spatial Databases and Programming) or GEOG 391 (Geodatabases)

6. Rationale for change:  
   The addition of an option for students allows for content and schedule flexibility to complement existing curricular needs.

Use the checkboxes below to make sure that all information is included.

7.  
   a. Proposed curriculum attached.  
      ☐ Yes  ☐ No
   b. Current catalog curriculum with handwritten edits attached.  
      ☐ Yes  ☐ No
   c. Current Howdy degree evaluation with handwritten edits attached.  
      ☐ Yes  ☐ No
   Please make sure the attached proposed curriculum, catalog, and Howdy degree evaluation match.

8.  
   a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes?  
      ☐ Yes  ☑ No
   b. If yes, degree program hours will change from:  
      to:  
   c. If yes, is the Texas Higher Education Coordinating Board form attached?  
      ☐ Yes  ☐ No

   http://www.thecb.state.tx.us/index.cfm?objectid=A0F9F7EA-9A92-4F11-2756AD3BBF01D60

9. If proposed changes affect other unit(s), are letters of support attached?  
   ☐ Yes  ☑ No

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UCC/GC, January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:

 signatures

Date

Date

Chair, College Review Committee

Date

Chair, GC or UCC

Questions regarding this form should be directed to Curricular Services at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 04/14
TO: University Curriculum Committee

FROM: Dr. David M. Cairns, Head Department of Geography

DATE: October 1, 2015

SUBJECT: Proposal for a Change in Degree

The Department of Geography proposes to make a minor change to B.S. in GIST (all tracks). We are adding one course as required course option for all tracks of the B.S. in GIST. The degree will require either ESSM 459 or GEOG 391 (new course proposed this year). The addition allows for content and schedule flexibility to complement existing curricular needs.
Geographic Information Science and Technology - BS, Earth Systems Analysis Track

The BS in Geographic Information Science and Technology (GIST) requires semester credit hours for completion in the Computation, Design and Analysis (CDA), Earth Systems Analysis (ESA) or the Human Systems and Society (HSS) tracks.

The Earth Systems and Analysis (ESA) track will attract students interested in studying the Earth sciences and assessing the natural resources of the Earth through a foundation in biogeography, climate, geomorphology, soil science, geology and ecosystem science.

Students will receive a rigorous and modern-day education and training in GIST with application knowledge in physical and human geography. Employers require problem solvers, not button pushers, to address problems in various application domains. The BS in GIST is designed to:

- Provide modern-day exposure to the rapidly changing field of GIST
- Balance education and training with a focus on competency
- Provide application and problem-solving experiences
- Support student activities and research
- Provide students with professional experience
- Produce high-quality geographers with strong GIST knowledge and skills

Geospatial technology graduates are in extremely high demand and according to the US Department of Labor (USDL), one of the highest growth areas in the federal government, particularly in homeland security activities, as well as in energy, software and engineering firms, and biomedical and biohazard research, among many others. A 35% annual rate of growth in Geospatial Technology related degrees are projected by the United States Department of Labor. Specifically, students have employment opportunities with the following corporate and government entities:

- Government agencies (federal, state, county and city): management and planning of urban infrastructure, inventory and assessment of natural resources including agriculture, forestry, and water resources.
- Energy industry: assessing biofuel production, and identifying locations suitable for renewable energy resources and mineral exploration.
- Health Science Industry: determine hotspots of health events and to explore for causative influences.
- Military and intelligence community: numerous opportunities exist in military branches, and agencies such as CIA, NAS and other Intelligence organizations.
- Commercial industries: business analytics and marketing, as spatial information can be used to target marketing campaigns, and assess suitable sites to locate companies.
- Geospatial Industries: Software development, geotechnical engineering, and technology development.

Students select courses with the assistance of faculty advisors and academic advisor in an individualized advising system.

Program Requirements

<table>
<thead>
<tr>
<th>First Year</th>
<th>Fall</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 203</td>
<td>Planet Earth &amp; Planet Earth Lab</td>
<td>4</td>
</tr>
<tr>
<td>MATH 141</td>
<td>Business Mathematics I &amp; Communication</td>
<td>3</td>
</tr>
<tr>
<td>Life and physical sciences ¹</td>
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<tr>
<td>Select from the following:</td>
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<tr>
<td>BIOL 101</td>
<td>Botany</td>
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<tr>
<td>CHEM 101</td>
<td>Fundamentals of Chemistry I &amp; Fundamentals of Chemistry Laboratory I</td>
<td></td>
</tr>
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<td>GEOL 101</td>
<td>Principles of Geology</td>
<td></td>
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<tr>
<td>PHYS 201</td>
<td>College Physics</td>
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<tr>
<td>ATMOS 201</td>
<td>Weather and Climate &amp; Weather and Climate Laboratory</td>
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<tr>
<th>Spring</th>
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<tbody>
<tr>
<td>GEOG 201</td>
<td>Introduction to Human Geography</td>
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<td>MATH 142</td>
<td>Business Mathematics II</td>
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<td>POLS 205</td>
<td>American National Government &amp; Communication</td>
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<td>Life and physical sciences ¹</td>
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<td>Select from the following:</td>
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<td>BIOL 107</td>
<td>Zoology</td>
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<td>CHEM 102</td>
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<td>Oceanography &amp; Oceanography Laboratory</td>
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<table>
<thead>
<tr>
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<tr>
<td>GEOG 232</td>
<td>Cartography and Visualization</td>
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<td>POLS 207</td>
<td>State and Local Government</td>
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<tbody>
<tr>
<td>GEOG 324</td>
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<td>GEOG 331</td>
<td>Geomorphology</td>
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<tr>
<td>GEOG 335</td>
<td>Pattern and Process in Biogeography</td>
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</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td>-------------</td>
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<tr>
<td>GEOG 352/GEOL GNSS in the Geosciences 352</td>
<td>Directed elective 3</td>
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<tr>
<td>STAT 303</td>
<td>Statistical Methods</td>
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<tr>
<td>American history</td>
<td>3</td>
<td></td>
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<tr>
<td>Language, philosophy and culture</td>
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</tr>
<tr>
<td>Term Semester Credit Hours</td>
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<td></td>
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</tbody>
</table>

### Third Year

#### Fall

Select one of the following:

- GEOG 394: Economic Geography
- GEOG 398: Introduction to Urban Geography
- GEOG 31: Cultural Geography

Select one of the following:

- GEOG 324: Global Climatic Regions
- GEOG 331: Geomorphology
- GEOG 335: Pattern and Process in Biogeography
- GEOG 361: Remote Sensing in Geosciences
- GEOG 390: Principles of Geographic Information Systems

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ESSM 309</td>
<td>Forest Ecology</td>
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<tr>
<td>ESSM 351</td>
<td>Geographic Information Systems for Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>ESSM 406</td>
<td>Natural Resources Policy</td>
<td>3</td>
</tr>
<tr>
<td>ESSM 416</td>
<td>Fire Ecology and Natural Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>ESSM 440</td>
<td>Wetland Delineation</td>
<td>4</td>
</tr>
<tr>
<td>ESSM 464</td>
<td>Spatial Project Management</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 104</td>
<td>Physical Geology</td>
<td>4</td>
</tr>
<tr>
<td>GEOL 306</td>
<td>Sedimentology and Stratigraphy</td>
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<tr>
<td>GEOL 410</td>
<td>Hydrogeology</td>
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<tr>
<td>RENR 205</td>
<td>Fundamentals of Ecology</td>
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<tr>
<td>RENR 470</td>
<td>Environmental Impact Assessment</td>
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<tr>
<td>STAT 211</td>
<td>Principles of Statistics I</td>
<td>4</td>
</tr>
<tr>
<td>STAT 212</td>
<td>Principles of Statistics II</td>
<td>4</td>
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<tr>
<td>Term Semester Credit Hours</td>
<td>14</td>
<td></td>
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</tbody>
</table>

### Spring

Select one of the following:

- ESSM 458: Spatial Databases and Programming
- GEOG 312: Data Analysis in Geography
- GEOG 475: Advanced Topics in GIS (Geographic Information Systems) 3

Direct elective 3

Select one of the following:

- BESC 201: Introduction to Bioenvironmental Sciences
- BESC 367: U.S. Environmental Regulations
- BESC 403: Sampling and Environmental Monitoring
- ESSM 305: Watershed Analysis and Planning
- ESSM 308: Fundamentals of Environmental Decision-Making
- ESSM 309: Forest Ecology
- ESSM 351: Geographic Information Systems for Resource Management
- ESSM 406: Natural Resources Policy
- ESSM 351: Fire Ecology and Natural Resource Management
- ESSM 351: Geomorphology
- ESSM 351: Pattern and Process in Biogeography
- ESSM 351: Natural Hazards
- ESSM 440: Coastal Processes
- MARS 370: Workshop in Environmental Studies
- GEOG 380: GIS Programming
- GEOG 389: Interpretation of Aerial Photographs
- GEOG 400: Arid Lands Geomorphology
- GEOG 434: Hydrology and Environment
- GEOG 435: Principles of Plant Geography
- GEOG 440: History and Nature of Geography
- GEOG 442: Past Climates
- GEOS 442: Field Geography
- GEOG 450: Digital Image Processing in the Geosciences
- GEOG 461: Dynamic Modelling of Earth and Environmental Systems
- GEOG 478: WebGIS
- GEOG 410: Global Change

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
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### Fourth Year

#### Fall

- GEOG 477: Terrain Analysis and Mapping

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>ESSM 406</td>
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<tr>
<td>ESSM 476</td>
<td>GIS Practicum</td>
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<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Term Semester Credit Hours</td>
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</tbody>
</table>
Directed elective 3

Select three of the following:

- BESC 201 Introduction to Bioenvironmental Sciences
- BESC 367 U.S. Environmental Regulations
- BESC 403 Sampling and Environmental Monitoring
- ESSM 305 Watershed Analysis and Planning
- ESSM 308 Fundamentals of Environmental Decision-Making
- ESSM 309 Forest Ecology
- ESSM 351 Geographic Information Systems for Resource Management
- ESSM 406 Natural Resources Policy
- ESSM 416 Fire Ecology and Natural Resource Management
- ESSM 440 Wetland Delineation
- ESSM 464 Spatial Project Management
- GEOL 104 Physical Geology
- GEOL 306 Sedimentology and Stratigraphy
- GEOL 410 Hydrogeology
- RENR 205 Fundamentals of Ecology
- RENR 470 Environmental Impact Assessment
- STAT 211 Principles of Statistics I
- STAT 212 Principles of Statistics II

<table>
<thead>
<tr>
<th>Term Semester Credit Hours</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Total Semester Credit Hours</td>
<td>120</td>
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</tbody>
</table>

1. 8 hours required. Department requires that you take two in the same discipline to meet this requirement.

2. Track electives comprise 6 hours of focused coursework. The track and specific courses within the track are to be chosen in consultation with the advisor and/or faculty mentor.

3. 19 hours required. To be selected from the following or chosen in consultation with an advisor.
THIS IS NOT an official evaluation.

Transfer:

- Course Information:
  - Overall GPA: [value]
  - Program GPA: [value]
  - Total Required: [value]

Required Courses:

- Credits Used:
- Required Credits:
- Met:
- Consor:

Departments:

- Major:
  - Level:
  - Degree:
  - College:
  - Campus:
  - Program:

Program Evaluation:

Program requirements may be subject to change. Please refer to the official document for the most current information.

Limitation: Correspondence: No correspondence earned through an accelerated institution may be used for an undergraduate degree.

Limitation: Correspondence: Only one course from GEOC 101 and GEO 102 may be used for the degree.

Limitation: Correspondence: Required completion of 12 hours of core, 42 credits and/or 4 credits may be used for an undergraduate degree.

Viewing Degree Evaluation (DEGVIEW; Email):

Change Student

Effective Fall 2016

Oct 13, 2015 11:15 am
Roxanna R. Russell

10/12/2016

Detail Requirements
Select 6 hours from any courses with the communication attribute (KCOM).

Area: Communication (6.000 credits) - Not Met

unofficial evaluation

Total Credits and GPA: 0.000

unofficial evaluation

Total Credits and GPA: 0.000

unofficial evaluation

Total Credits and GPA: 0.000

Detail Requirements

\( \text{Area: Communication (6.000 credits) - Not Met} \)

They are inactive courses.

Remove GEOS 49411. REFR 49411 since

unofficial evaluation

Total Credits and GPA: 0.000

unofficial evaluation

Total Credits and GPA: 0.000

unofficial evaluation

Total Credits and GPA: 0.000

Detail Requirements

\( \text{Area: Communication (6.000 credits) - Not Met} \)

The GEOS 49411 is in progress. For approval, it needs

unofficial evaluation

Total Credits and GPA: 0.000

unofficial evaluation

Total Credits and GPA: 0.000

unofficial evaluation

Total Credits and GPA: 0.000

Detail Requirements
Geographic Information Science and Technology - BS, Computation, Design and Analysis Track

The BS in Geographic Information Science and Technology (GIST) requires semester credit hours for completion in the Computation, Design and Analysis (CDA), Earth Systems Analysis (ESA) or the Human Systems and Society (HSS) tracks.

The Computation, Design and Analysis (CDA) track will attract students interested in the computational, analysis and software development aspects of GIST. This track is more computational and information technology centered and focuses on addressing technical issues, algorithm development and performance, and software development.

Students will receive a rigorous and modern-day education and training in GIST with application knowledge in physical and human geography. Employers require problem solvers, not button pushers, to address problems in various application domains. The BS in GIST is designed to:

- Provide modern-day exposure to the rapidly changing field of GIST
- Balance education and training with a focus on competency
- Provide application and problem-solving experiences
- Support student activities and research
- Provide students with professional experience
- Produce high-quality geographers with strong GIST knowledge and skills

Geospatial technology graduates are in extremely high demand and according to the US Department of Labor (USDL), one of the highest growth areas in the federal government, particularly in homeland security activities, as well as in energy, software and engineering firms, and biomedical and biotechnology research, among many others. A 35% annual rate of growth in Geospatial Technology related degrees are projected by the United States Department of Labor. Specifically, students have employment opportunities with the following corporate and government entities:

- Government agencies (federal, state, county and city): management and planning of urban infrastructure, inventory and assessment of natural resources including agriculture, forestry, and water resources.
- Energy industry: assessing biofuel production, and identifying locations suitable for renewable energy resources and mineral exploration.
- Health Science Industry: determine hotspots of health events and to explore for causative influences.
- Military and intelligence community: numerous opportunities exist in military branches, and agencies such as CIA, NAS and other intelligence organizations.
- Commercial industries: business analytics and marketing, as spatial Information can be used to target marketing campaigns, and assess suitable sites to locate companies.
- Geospatial Industries: Software development, geotechnical engineering, and technology development.

Students select courses with the assistance of faculty advisors and academic advisor in an individualized advising system.

Program Requirements

First Year

<table>
<thead>
<tr>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td><strong>Fall</strong></td>
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<tr>
<td>Communication</td>
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<tr>
<td>GEOG 203 Planet Earth</td>
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<td>GEOG 213 Planet Earth Lab</td>
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<td>MATH 141 Business Mathematics I</td>
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<td>Life and physical sciences</td>
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<tr>
<td>Select one from the following:</td>
</tr>
<tr>
<td>BIOL 101 Botany</td>
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<tr>
<td>BIOL 111 Introductory Biology I</td>
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<tr>
<td>CHEM 101 Fundamentals of Chemistry I</td>
</tr>
<tr>
<td>&amp; CHEM 111 and Fundamentals of Chemistry Laboratory II</td>
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<tr>
<td>GEOL 101 Principles of Geology</td>
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<tr>
<td>PHYS 201 College Physics</td>
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<tr>
<td>ATMOS 201 Weather and Climate</td>
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<tr>
<td>&amp; ATMOS 202 and Weather and Climate Laboratory</td>
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<table>
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<th>Term Semester Credit Hours</th>
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</table>

<table>
<thead>
<tr>
<th><strong>Spring</strong></th>
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<tbody>
<tr>
<td>GEOG 201 Introduction to Human Geography</td>
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<tr>
<td>MATH 142 Business Mathematics II</td>
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<td>POLS 206 American National Government</td>
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<tr>
<td>Communication</td>
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<td>Life and physical sciences</td>
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<tr>
<td>BIOL 107 Zoology</td>
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<td>BIOL 112 Introductory Biology II</td>
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<td>CHEM 102 Fundamentals of Chemistry II</td>
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<td>&amp; CHEM 112 and Fundamentals of Chemistry Laboratory II</td>
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<td>GEOL 106 Historical Geology</td>
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<td>PHYS 202 College Physics</td>
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<td>OCN 251 Oceanography</td>
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Second Year

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<tr>
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<td>GEOG 232 Cartography and Visualization</td>
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<td>Select one from the following:</td>
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<td>CSCE 110 Programming I</td>
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<tr>
<td>CSCE 111 Introduction to Computer Science Concepts and Programming</td>
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<td>POLS 207 State and Local Government</td>
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<td>American history</td>
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<tr>
<td>Social and behavioral sciences</td>
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<tr>
<th>Term Semester Credit Hours</th>
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<tbody>
<tr>
<td>16</td>
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</table>
Spring
Physical Geography
Select one of the following:
GEOG 324 Global Climatic Regions
GEOG 331 Geomorphology
GEOG 335 Patterns and Processes in Biogeography
GEOG 352/GEOL GNSS in the Geosciences
GEOG 352
STAT 303 Statistical Methods
American history
Language, philosophy and culture

<table>
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<th>Course</th>
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<td>GEOG 479</td>
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Term Semester Credit Hours 15

Spring
GEOG 476 GIS Practicum
GEOG 478 WebGIS
Directed elective 2

<table>
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<td>GEOG 476</td>
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<td>GEOG 478</td>
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Directed elective 2

Term Semester Credit Hours 8

Total Semester Credit Hours: 120

1 Department requires that you take two in the same discipline to meet this requirement.


3 Track electives compr ise 6 hours of focused coursework. The track and specific courses within the track are to be chosen in consultation with the advisor and/or faculty mentor.

Two courses in the degree plan must be Writing Intensive courses designated by the department in the schedule of classes. Also, International and Cultural Diversity Electives (6 hours) must be incorporated into the degree.

Fourth Year
Human Geography
Select one of the following:
GEOG 304 Economic Geography
GEOG 306 Introduction to Urban Geography
GEOG 311 Cultural Geography
Directed elective 2

Track elective 3

<table>
<thead>
<tr>
<th>Course</th>
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<td>GEOG 306</td>
<td>3</td>
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<tr>
<td>GEOG 311</td>
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Select from the following:
GEOG 306 Introduction to Urban Geography
GEOG 309 Geography of Energy
GEOG 330 Resources and the Environment
GEOG 335 Patterns and Processes in Biogeography
GEOG 370 Coastal Processes
MARS 370
GEOG 398 Interpretation of Aerial Photographs
GEOG 404 Spatial Thinking, Perception and Behavior
GEOG 450 Field Geography
GEOG 461 Digital Image Processing in the Geosciences
GEOG 467 Dynamic Modeling of Earth and Environmental Systems
GEOG 477 Terrain Analysis and Mapping
<table>
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<th>Subject Attribute</th>
<th>Low Required Credits</th>
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THIS IS NOT an official evaluation.

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<tr>
<th>Department</th>
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<th>College</th>
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<tr>
<td>Geography</td>
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</tbody>
</table>

Program Evaluation:
- Limitation: Geography: Only one course from GEOG 101, 103 and 104 may be used for this degree.
- Limitation: Correspondence: No more than 12 hours of correspondence credit toward an accredited institution may be used for an undergraduate degree.
- Limitation: Correspondence: Program credit is not accepted for this degree.
- Limitation: Correspondence: No more than 12 hours of credit toward an accredited institution may be used for an undergraduate degree.

Information for Degree Evaluation:

Effective Fall 2016

Detail Requirements

Change Student Viewing: Degree Evaluation (DEGREE, EMU)

Oct 13, 2015 11:14 am
Roxanne R. Russell
Montclair State University

Law 461, RenR 475

Remove HECM 462, HECM 415, ISEM 459

Total Credits and GPA: 0.000, 0.00

No.

Area: Communication (6.000 credits) - Not Met

Area: Supporting Coursework (3.000 credits) - Not Met

Total Credits and GPA: 0.000, 0.00

Detail Requirements
Met Conditional Rule: Subject Attribute Low High Required Credits

Term Subject Course Title Attribute Credits Grade Source

Area: Creative Arts (3,000 Credits) - Not Met

unofficial evaluation

Total Credits and GPA
0.000 0.00

Area: Language, Philosophy, and Culture Attribute (KICP)

no

unofficial evaluation

Total Credits and GPA
0.000 0.00

Area: Language, Philosophy, and Culture Attribute (KICP)

no

Area: Social Science (5,000 Credits) - Not Met

unofficial evaluation

Total Credits and GPA
0.000 0.00

Area: Life and Physical Sciences (12,000 Credits) - Not Met

unofficial evaluation

Area: Life and Physical Sciences (12,000 Credits) - Not Met

unofficial evaluation

Area: Mathematics (6,000 Credits) - Not Met

unofficial evaluation

Area: Mathematics (6,000 Credits) - Not Met

unofficial evaluation
Geographic Information Science and Technology - BS, Human Systems and Society Track

The BS in Geographic Information Science and Technology (GIST) requires semester credit hours for completion in the Computation, Design and Analysis (CDA), Earth Systems Analysis (ESA) or the Human Systems and Society (HSS) tracks.

The Human Systems and Society (HSS) track will attract students interested in social sciences, human/environment relationships, and the planning and management of human resources and urban environments. Students will receive a rigorous and modern-day education and training in GIST with application knowledge in physical and human geography. Employers require problem solvers, not button pushers, to address problems in various application domains. The BS in GIST is designed to:

- Provide modern-day exposure to the rapidly changing field of GIST
- Balance education and training with a focus on competencies
- Provide application and problem-solving experiences
- Support student activities and research
- Provide students with professional experience
- Produce high-quality geographers with strong GIST knowledge and skills

Geospatial technology graduates are in extremely high demand and according to the US Department of Labor (USDL), one of the highest growth areas in the federal government, particularly in homeland security activities, as well as in energy, software and engineering firms, and biomedical and biohazard research, among many others. A 33% annual rate of growth in Geospatial Technology related degrees are projected by the United States Department of Labor. Specifically, students have employment opportunities with the following corporate and government entities:

- Government agencies (federal, state, county and city): management and planning of urban infrastructure, inventory and assessment of natural resources including agriculture, forestry, and water resources.
- Energy industry: assessing biofuel production, and identifying locations suitable for renewable energy resources and mineral exploration.
- Health Science Industry: determine hotspots of health events and to explore for causative information.
- Military and intelligence community: numerous opportunities exist in military branches, and agencies such as CIA, NAS and other intelligence organizations.
- Commercial Industries: business analytics and marketing, as spatial information can be used to target marketing campaigns, and assess suitable sites to locate companies.
- Geospatial Industries: Software development, geotechnical engineering, and technology development.

Students select courses with the assistance of faculty advisors and academic advisor in an individualized advising system.

Program Requirements

<table>
<thead>
<tr>
<th>First Year</th>
<th>Fall</th>
<th>Semester Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>GEOG 203</td>
<td>Planet Earth</td>
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<tr>
<td>MATH 141</td>
<td>Business Mathematics I</td>
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<tr>
<td>Communication</td>
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<td>Life and physical sciences elective</td>
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<tr>
<td>BIOL 101</td>
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<tr>
<td>BIOL 111</td>
<td>Introductory Biology I</td>
<td></td>
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<td>CHEM 101</td>
<td>Fundamentals of Chemistry I</td>
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<tr>
<td>&amp; CHEM 111</td>
<td>and Fundamentals of Chemistry Laboratory I</td>
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<td>GEOL 101</td>
<td>Principles of Geology</td>
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<tr>
<td>PHYS 201</td>
<td>College Physics</td>
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<td>ATMO 201</td>
<td>Weather and Climate</td>
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<td>&amp; ATMO 202</td>
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| Spring | GEOG 201 | Introduction to Human Geography | 3 |
| | MATH 142 | Business Mathematics II | 3 |
| | POLS 206 | American National Government | 3 |
| Communication | | 3 |
| Life and physical sciences elective | | 4 |
| Select one of the following: | | |
| BIOL 107 | Zoology | |
| BIOL 112 | Introductory Biology II | |
| CHEM 102 | Fundamentals of Chemistry II | |
| & CHEM 112 | and Fundamentals of Chemistry Laboratory II | |
| GEOL 106 | Historical Geology | |
| PHYS 202 | College Physics | |
| OCNG 251 | Oceanography | |
| & OCNG 252 | and Oceanography Laboratory | |
| | Term Semester Credit Hours | 10 |

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<td>Creative arts</td>
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<td>Social and behavioral sciences</td>
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<p>| Spring | Select one of the following: | |
| | GEOG 324 | Global Climatic Regions | |</p>
<table>
<thead>
<tr>
<th>Course Code</th>
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<td>Geomorphology</td>
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<td>GEOG 335</td>
<td>Pattern and Process in Biogeography</td>
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<td>GEOG 352/GEOL GNSS in the Geosciences 352</td>
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<td>STAT 303</td>
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<td>American history</td>
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<td>Language, philosophy and culture</td>
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<td><strong>Total</strong></td>
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### Third Year

**Fall**

Select one of the following:

- GEOG 304   Economic Geography
- GEOG 306   Introduction to Urban Geography
- GEOG 311   Cultural Geography
- GEOG 401   Political Geography
- GEOG 361   Remote Sensing in Geosciences
- GEOG 390   Principles of Geographic Information Systems

Track elective ²

Select one of the following:

- GEOG 304   Economic Geography
- GEOG 306   Introduction to Urban Geography
- GEOG 309   Geography of Energy
- GEOG 311   Cultural Geography
- GEOG 330   Resources and the Environment
- GEOG 355   Pattern and Process in Biogeography
- GEOG 360   Natural Hazards
- GEOG 392   GIS Programming
- GEOG 398   Interpretation of Aerial Photographs
- GEOG 401   Political Geography
- GEOG 404   Spatial Thinking, Perception and Behavior
- GEOG 406   Geographic Perspectives on Contemporary Urban Issues
- GEOG 430   Environmental Justice
- GEOG 461   Digital Image Processing in the Geosciences
- GEOG 477   Terrain Analysis and Mapping
- GEOG 478   WebGIS
- GEOG 479   Principles of Geocomputation

**Spring**

- ESSM 450   Spatial Databases and Programming
- GEOG 312   Data Analysis in Geography
- GEOG 475   Advanced Topics in GIS (Geographic Information Systems)

Directed elective ³

Select from the following:

- ESSM 305   Watershed Analysis and Planning
- ESSM 308   Fundamentals of Environmental Decision-Making
- RENR 375   Conservation of Natural Resources
- RENR 470   Environmental Impact Assessment
- STAT 211   Principles of Statistics I
- STAT 212   Principles of Statistics II

**Fourth Year**

**Fall**

Select one of the following:

- GEOG 304   Economic Geography
- GEOG 306   Introduction to Urban Geography
- GEOG 311   Cultural Geography

Select one of the following:

- GEOG 388   Interpretation of Aerial Photographs
- GEOG 477   Terrain Analysis and Mapping
- GEOG 479   Principles of Geocomputation

Track elective ²

Select one of the following:

- GEOG 304   Economic Geography
- GEOG 306   Introduction to Urban Geography
- GEOG 309   Geography of Energy
- GEOG 311   Cultural Geography
- GEOG 330   Resources and the Environment
- GEOG 355   Pattern and Process in Biogeography
- GEOG 360   Natural Hazards
- GEOG 392   GIS Programming
- GEOG 398   Interpretation of Aerial Photographs
- GEOG 401   Political Geography
- GEOG 404   Spatial Thinking, Perception and Behavior
- GEOG 406   Geographic Perspectives on Contemporary Urban Issues
- GEOG 430   Environmental Justice
- GEOG 461   Digital Image Processing in the Geosciences
- GEOG 477   Terrain Analysis and Mapping
- GEOG 478   WebGIS
- GEOG 479   Principles of Geocomputation

Directed elective ³

Select from the following:

- ESSM 305   Watershed Analysis and Planning
- ESSM 308   Fundamentals of Environmental Decision-Making
- RENR 375   Conservation of Natural Resources
- RENR 470   Environmental Impact Assessment
- STAT 211   Principles of Statistics I
- STAT 212   Principles of Statistics II
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<tr>
<td>URPN 325</td>
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<td>Planning</td>
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<td>URPN 326</td>
<td>Advanced GIS in Urban and Regional Planning</td>
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<td>URPN 309</td>
<td>Transportation and Urban Form</td>
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<tr>
<td>URPN 440</td>
<td>Urban and Regional Economic Development</td>
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<tr>
<td>URPN 460</td>
<td>Sustainable Communities</td>
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### Spring

Select one of the following: 3-4

- GEOG 398 Interpretation of Aerial Photographs
- GEOG 477 Terrain Analysis and Mapping
- GEOG 479 Principles of Geocomputation
- GECG 476 GIS Practicum 3

Directed elective 9

Select from the following:

- ESSM 305 Watershed Analysis and Planning
- ESSM 308 Fundamentals of Environmental Decision-Making
- RENR 375 Conservation of Natural Resources
- RENR 470 Environmental Impact Assessment
- STAT 211 Principles of Statistics I
- STAT 212 Principles of Statistics II
- URPN 325 Introduction to GIS in Urban and Regional Planning
- URPN 326 Advanced GIS in Urban and Regional Planning
- URPN 309 Transportation and Urban Form
- URPN 440 Urban and Regional Economic Development
- URPN 460 Sustainable Communities

<table>
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<th>Term Semester Credit Hours</th>
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</table>

Total Semester Credit Hours: 120

---

1. 8 hours required. Department requires that you take two in the same discipline to meet this requirement.
2. Track electives comprise 6 hours of focused coursework. The track and specific courses within the track are to be chosen in consultation with the advisor and/or faculty mentor.
3. 18-20 hours required. To be selected from the following or chosen in consultation with Advisor.

Two courses in the degree plan must be Writing Intensive courses designated by the department in the schedule of classes. Also, International and Cultural Diversity Electives (6 hours) must be incorporated into the degree.
THIS IS NOT an official evaluation.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Course Title</th>
<th>Credits</th>
<th>Grade</th>
<th>Used</th>
<th>Required</th>
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<th>Credits</th>
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</table>

Department: Geography
Major: Geography
Level: Undergraduate
Degree: Bachelor of Science
College: College of Science
Program: BS GIS-Human Sys & Society

Program Limitation: Only the course for GEOL 102 and 104 may be used for this degree.

Degree Requirements: No more than 12 hours of correspondence credits will be credited toward an Undergraduate degree.

Effective Fall 2019

Roxanne R. Russell

Degree Requirements
No AND D. GEOG 36.
No AND E. GEOG 390
No AND F. GEOG 475
No AND G. GEOG 476
No AND H. ESSM 455
No AND I. STAT 303
No AND J. GEOG 201.

Take GEOG 201.

No AND K. Physical Geog 3hrs

Select from GEOG 324, 331, 335.

No AND L. Human Geog 3hrs

Select from GEOG 304, 306, 311.

unofficial evaluation

Area: Supporting Coursework (36.000 credits) - Not Met

<table>
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<tr>
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<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required Credits</th>
<th>Required Courses</th>
<th>Term</th>
<th>Subject</th>
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<th>Attribute</th>
<th>Credits</th>
<th>Grade</th>
<th>Source</th>
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</thead>
<tbody>
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<td>GEOG 304, 306, 311 or 401</td>
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<tr>
<td>No   AND</td>
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<td>GEOG Elective 7hrs</td>
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<td>Select two from GEOG 398, 477, and 479.</td>
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<tr>
<td>No   AND</td>
<td>C.</td>
<td>Track Electives 6hrs</td>
<td>Add GEOG 398, 477, 479</td>
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<tr>
<td>No   AND</td>
<td>D.</td>
<td>Directed Electives 20hrs</td>
<td>Select from ESSM 305, 308; RENR 375, 444, 470; STAT 211 and 212 (MATH 151/152 required); URPN 325, 326, 360, 440, 460, 461.</td>
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unofficial evaluation

Area: Communication (6.000 credits) - Not Met

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required Credits</th>
<th>Required Courses</th>
<th>Term</th>
<th>Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Grade</th>
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<tbody>
<tr>
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<td>A.</td>
<td>Communication Requirement</td>
<td>Select 6 hours from any courses with the Communication attribute [KCOM].</td>
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</tbody>
</table>
Select these hours from any course with the Creative Arts attribute (CRA).

Term Subject Course Title Attribute Credits Grade Source

Area: Creative Arts (3,000 credits) - Not Met

unofficial evaluation

Total Hours and GPA 0.000

Select any course with the Language, Philosophy, and Cultural Studies attribute (CLC).

Term Subject Course Title Attribute Credits Grade Source

Area: Language, Philosophy & Culture (3,000 credits) - Not Met

unofficial evaluation

Total Hours and GPA 0.000

Term Subject Course Title Attribute Credits Grade Source

Area: Life and Physical Sciences (12,000 credits) - Not Met

unofficial evaluation

Total Hours and GPA 0.000

Term Subject Course Title Attribute Credits Grade Source

Area: Mathematics (6,000 credits) - Not Met

unofficial evaluation

Total Hours and GPA 0.000

Term Subject Course Title Attribute Credits Grade Source

unofficial evaluation

Total Hours and GPA 0.000
Total Credits and GPA 0.000 0.0

unofficial evaluation

unofficial evaluation

unofficial evaluation

unofficial evaluation

unofficial evaluation

unofficial evaluation

unofficial evaluation

unofficial evaluation

unofficial evaluation
CHANGE IN CURRICULUM

COLLEGE OF GEOSCIENCES
DEPARTMENT OF OCEANOGRAPHY
BS IN ENVIRONMENTAL GEOSCIENCES
AND MS IN OCEANOGRAPHY 3+2
Texas A&M University
Request for a Change in Curriculum
Undergraduate • Graduate • Professional

1. Program request type:
   ✔ Undergraduate   ✗ Graduate   ✗ First Professional (ex. DVM, JD, MD, etc.)

2. Request change for:
   ✔ Degree Program   ☐ Minor   ☐ Certificate

3. Request submitted by (Department or Program Name):
   Oceanography

Program Designation and Name
(e.g., B.A. in History, Minor in History, Certificate in European Union):
Environmental Geosciences - 5-Year Bachelor of Science/Master of Science

4. Brief description of change:
   Adjust the catalog program requirements to match the degree evaluation and clarify options for students

   Includes change to GR program (attached). sw

5. Rationale for change:
   There were errors associated with the entering of the program requirements into the new electronic catalog. These need to be corrected. A few corrections were also made to the degree evaluation.

   Use the checkboxes below to make sure that all information is included.

7. a. Proposed curriculum attached.  ✔ Yes   ☐ No
    b. Current catalog curriculum with handwritten edits attached.  ✔ Yes   ☐ No
    c. Current Howdy degree evaluation with handwritten edits attached.  ✔ Yes   ☐ No

   Please make sure the attached proposed curriculum, catalog and Howdy degree evaluation match.

8. a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes?  ☐ Yes   ✔ No
    b. If yes, degree program hours will change from: _______ to: _______
    c. If yes, is the Texas Higher Education Coordinating Board form attached?  ☐ Yes   ✔ No

   http://www.thaeb.state.tx.us/index.cfm?objectid=A0F9F7FA-9A92-4F11-2756AD3BBFF01D60

9. If proposed changes affect other unit(s), are letters of support attached?  ✔ Yes   ☐ No

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UCC/GC, January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:

[Signature]  11/2/2015
Department Head or Program Chair (Type Name & Sign)         Date

[Signature]  10/30/2015
Dean of College                                               Date

[Signature]  10/30/2015
Chair, College Review Committee               Date

[Signature]  10/30/2015
Chair, GC or UCC                                     Date

Questions regarding this form should be directed to Curricular Services at 845-8201 or sandra-williams@tamu.edu.
Curricular Services – 04/14
MEMORANDUM

To: Dr. Chris Houser, Associate Dean, Undergraduate and Faculty Affairs, College of Geosciences

To: Dr. Eric Riggs, Assistant Dean, Graduate Affairs and Diversity, College of Geosciences

From: Dr. Debbie Thomas, Department Head, Oceanography
Dr. Ping Yang, Department Head, Atmospheric Sciences
Dr. Michael Pope, Department Head, Geology and Geophysics
Dr. Christian Brannstrom, Director Environmental Programs, College of Geosciences

RE: Revisions to the BS-METR-GOC, BS-GEOL-GOC, BA-GEOL-GOC and BS-ENGS-GOC programs.

We are requesting revisions to the 3+2 programs combining the non-thesis MS in Oceanography with the undergraduate METR, GEOL and ENGS degrees. They have been modified to swap out the non-thesis MS in Oceanography with the newly approved non-thesis Master of Ocean Science and Technology. This is simply a swap in the designation of the non thesis Master’s degree.

The degree plans remain as modified in the by the corrections recently submitted for approval.

If you have any questions, please contact the assistant department head, Dr. Shari Yvon-Lewis (979-458-1816; syvon-lewis@tamu.edu).
Environmental Geosciences - 5-Year Bachelor of Science/Master of Science in Oceanography

The Fast Track Program offers motivated and exceptional students the opportunity to achieve aspirations in an efficient program at Texas A&M, completing the Bachelor of Science (B.S.) degree in the Environmental Geosciences program and the Oceanography non-thesis M.S. degree in 5 years. There will be only two courses used for dual credit in this program. There is a total of 150 hours of coursework. The concurrent degree program will enable these motivated students to coordinate the required B.S. coursework (120 undergraduate credit hours plus 6 dual credit graduate credits) and non-thesis M.S. coursework (36 credit hours including the 6 dual credit graduate credits) to complete the required credit hours for each degree without diminishing scope or quality of work and within 5 years.

Application and Eligibility:
- Applications to the Fast Track program will be submitted by July 1 after the completion of the student’s junior year. Applications submitted after that time will be evaluated on a case-by-case basis.
- Applicants must have a minimum undergraduate GPR of 3.0. Applicants must also earn a C or better in all Chemistry, Calculus and Physics courses. Once admitted to the program, students must maintain a minimum 3.0 GPR.
- A faculty advisor will be assigned to each student. Students may seek additional mentors, but a formal committee is not required.
- Students admitted into the Fast Track program must finish the entire 150 credit hours to obtain both the Bachelor’s and Master’s degrees. These students will be conferred with two degrees once they complete the 5th year of the concurrent program.
- Students admitted to the program will change from U4 to G7 status when they are admitted having completed at least 96 hours (end of spring semester, year 3).
- Students not accepted or not allowed to continue with the Fast Track Program will complete the 120 hour Bachelor’s degree under the standard 4 year curriculum. These students may still apply to the traditional graduate program.
- Students will graduate at the completion of the 5th year in the Fast Track Program coursework (150 credit hours) with both Bachelor’s and Master’s degrees. Students will complete the coursework in May of the 5th year.

Program Requirements

<table>
<thead>
<tr>
<th>First Year</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
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<td>GEOS 105</td>
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<tr>
<td>POLS 206</td>
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<td>Engineering Mathematics II 4</td>
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<td>Language, philosophy and culture 3</td>
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| Term Semester Credit Hours | 17 |

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<tbody>
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<td>and Fundamentals of Chemistry Laboratory I</td>
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<td>GEOG 201</td>
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<td>American History 3</td>
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<td>Environmental Policy Elective 3</td>
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Select one of the following:

| AGEO 350 | Environmental and Natural Resource Economics |
| BESC 357 | U.S. Environmental Regulations |
| ECON 202 | Principles of Economics |
| ECON 203 | Principles of Economics |
| ECON 323 | Microeconomic Theory |
| ECON 435 | Economics of Resource Scarcity |
| GEOG 304 | Economic Geography |
| GEOG 306 | Introduction to Urban Geography |
| GEOG 309 | Geography of Energy |
| GEOG 401 | Political Geography |
| GEOG 406 | Geographic Perspectives on Contemporary Urban Issues |
| GEOG 430 | Environmental Justice |
| PHIL 314 | Environmental Ethics |
| POLS 347 | Politics of Energy and the Environment |
| RENR 470 | Environmental Impact Assessment |
| SOCI 328 | Environmental Sociology |
| URPN 202 | Building Better Cities |
| URPN 360 | Environmental Quality |
| URPN 371 | Sustainable Communities |
| Term Semester Credit Hours | 17 |

Select one of the following:
Environmental Geosciences - 5-Year Bachelor of Science/Master of Science in Oceanography

GEOG 450 Field Geography
GEOG 462/482 Advanced GIS Analysis for Natural Resources Management
GEOG 467 Dynamic Modeling of Earth and Environmental Systems
GEOG 476 Advanced Topics in GIS (Geographic Information Systems)
GEOG 476 GIS Practicum
GEOL 308 Introduction to Geological Field Methods
GEOL 330 Geologic Field Trips
GEOL 352 GNSS in the Geosciences
GEOG 413 Near-surface Geophysics
OCNG 451 Mathematical Modelling of Ocean Climate

**Term Semester Credit Hours: 15**

**Total Semester Credit Hours: 152**

Fifth Year

**Fall**

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<th>Semester Credit Hours</th>
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<tr>
<td>Advanced specialized OCNG graduate course</td>
<td>3</td>
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<tr>
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**Term Semester Credit Hours: 9**

**Spring**

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**Capstone Experience**

**Term Semester Credit Hours: 3**

**Total Semester Credit Hours: 18**

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Select the remaining courses from the following:

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<tr>
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<td>GEOG 331</td>
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<td>GEOG 360</td>
<td>Natural Hazards</td>
</tr>
<tr>
<td>GEOL 308</td>
<td>Sedimentology and Stratigraphy</td>
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<td>GEOL 440</td>
<td>Engineering Geology</td>
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<td>GEOS 444</td>
<td>The Science and Politics of Global Climate Change</td>
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<td>GEOS 484</td>
<td>Internship</td>
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<td>OCNG 350</td>
<td>Marine Pollution</td>
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<td>OCNG 410</td>
<td>Introduction to Physical Oceanography</td>
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<td>OCNG 420</td>
<td>Introduction to Biological Oceanography</td>
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<td>OCNG 425</td>
<td>Microbial Oceanography</td>
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<td>OCNG 430</td>
<td>Introduction to Geological Oceanography</td>
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<td>OCNG 440</td>
<td>Introduction to Chemical Oceanography</td>
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<tr>
<td>WFSC 418</td>
<td>Ecology of the Coastal Zone</td>
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<tr>
<td>WFSC 425</td>
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<td>WFSC 428</td>
<td>Welland Ecosystem Management</td>
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Two courses in the degree plan must be writing intensive courses designated by the Environmental Programs in the schedule of classes. Also, international and cultural diversity electives (6 hours) must be incorporated into the degree.

Any of the required courses may be taken during the summer sessions to diminish the heavy semester loads during Years 2 and 3.

---

1 Freshmen entering the program take a first year seminar, GEOS 101. The choice is not restricted. Students transferring or changing majors into the program, who have not taken GEOS 101, are required to take GEOS 481 in their junior or senior year.

2 It is recommended to select a course that also fulfills an International and Cultural Diversity requirement.

3 Select from course list below. If students use nine credits of allowed OCNG courses (e.g. OCNG 401, OCNG 350, OCNG 451, OCNG 485) as Coastal and Marine Environments theme electives, they will receive an OCNG minor with their BS in ENGS degree. If one of the Introductory Geoscience course and associated labs listed in Year Two is OCNG 251 with OCNG 252, then only two (six credits) of the theme electives needs to be from OCNG to still get the minor.

4 Students will not be permitted to receive credit for both the 400- and 600-level versions of certain courses because the content and learning outcomes are too similar (e.g., OCNG 440/OCNG 640; GEOG 470/OCNG 670).

5 These two graduate courses will be taken for dual undergraduate/graduate credit and will contribute to the minor.

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Coastal and Marine Environments Theme List

<table>
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<tr>
<th>Course Code</th>
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<td>MARS 370</td>
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<td>Interdisciplinary Oceanography</td>
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**May contribute to a minor or technical elective**
**Detail Requirements**

**Information for Degree Evaluation**

This is NOT an official evaluation.

**Program Evaluation**

Limitation Correspondence: No more than 12 hours of correspondence earned through an accredited institution may be used for an undergraduate degree.

Limitation Combination: Maximum combination of 18 hours of 481, 482, 485 and/or 491 courses may be used for an undergraduate degree.

Limitation No more than 6 hours of 484 credit may be used in this degree program.

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**Other Course Information**

Transfer:

| No | 0.00 | 0 |

This is NOT an official evaluation.

**Area:** Major Coursework (16,000 credits) - Not Met

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<th>Required Courses</th>
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https://compass-ssb.tamu.edu/pls/PROD/twckcapp.P_VerifyDispEvalViewOption
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**unofficial evaluation**

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**Area Environmental Theme Electives (18,000 credits) - Not Met**

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unofficial evaluation

Area: Mathematics (11,000 credits) - Not Met

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unofficial evaluation

Area: Life and Physical Sciences (28,000 credits) - Not Met

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unofficial evaluation

https://compass-ssb.tamu.edu/pls/PROD/bwckcapp.P_VerifyDispEvalViewOption
### Area: Language, Philosophy & Culture (3.000 credits) - Not Met

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Total Credits and GPA 0.000 .00

unofficial evaluation

### Area: Creative Arts (3.000 credits) - Not Met

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unofficial evaluation

### Area: Social and Behavioral Science (3.000 credits) - Not Met

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</tbody>
</table>

Total Credits and GPA 0.000 .00

unofficial evaluation

### Area: Citizenship (12.000 credits) - Not Met

**Description:** Completion of 4 semesters of Upper-Level ROTC may be substituted for 3 hours of American History and 3 hours of Political Science.

<table>
<thead>
<tr>
<th>No</th>
<th>Condition</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low High</th>
<th>Required Credits</th>
<th>Required Courses</th>
<th>Term Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Grade</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>A.</td>
<td>American History Rqmt 6hrs</td>
<td></td>
<td></td>
<td>Select from any course with the [KHIS] attribute.</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>AND B.</td>
<td>Political Science Rqmt 6hrs</td>
<td></td>
<td></td>
<td>Take POLS 206 and POLS 207.</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

Total Credits and GPA 0.000 .00

unofficial evaluation
### Area: Work Not Applied - Met

**Description:** See advisor for acceptable substitutions.

<table>
<thead>
<tr>
<th>No</th>
<th>Condition Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required Credits</th>
<th>Required Courses</th>
<th>Term Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Grade</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Courses not applied</td>
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<td></td>
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**unofficial evaluation**

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### Area: University Writing Requirement - Not Met

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<th>Subject</th>
<th>Attribute</th>
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<th>High</th>
<th>Required Credits</th>
<th>Required Courses</th>
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<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Grade</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Two courses required. Only sections of ATMO 456, 459, 463, 491; GEOG 309, 324, 360, 404, 430, 435, 476, 491; GEOL 301, 311-312, 410 420, 440, 491; GEDP 491; GEOS 405, 491; UGST 491 with the Writing attribute [UWRT] may be used to satisfy this requirement.</td>
<td>Writing Requirement</td>
<td></td>
<td></td>
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</table>

**unofficial evaluation**

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### Area: Int'l & Cult Diversity - Not Met

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<tr>
<th>No</th>
<th>Condition Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required Credits</th>
<th>Required Courses</th>
<th>Term Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Grade</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Int'l &amp; Cultural Diversity 6hr Select from courses with the International and Cultural Diversity attribute [UICD] (except sections of BUSN 289 with the UWRT attribute).</td>
<td></td>
<td></td>
<td></td>
<td></td>
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**unofficial evaluation**

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### Area: Foreign Language - Not Met

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<th>No</th>
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<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required Credits</th>
<th>Required Courses</th>
<th>Term Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Grade</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Complete one of the following: 1. Two years of the same foreign language in High School. 2. A two semester sequence of the same foreign language for University credit.</td>
<td>Foreign Language Rqmt</td>
<td></td>
<td></td>
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</tbody>
</table>
unofficial evaluation

Area: Residence Requirement - Not Met

Description: A minimum of 36 hours of 300-400 level coursework must be completed at Texas A&M University. 12 hours must be in the major field.

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required Credits</th>
<th>Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>AND</td>
<td>B.</td>
<td>Residence</td>
<td>300-499 24hrs</td>
<td>Select any 300 or 400 level courses.</td>
<td></td>
<td></td>
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</tbody>
</table>

Total Credits and GPA 0.000 .00

unofficial evaluation

Area: GPR-Major - Not Met

<table>
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<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required Credits</th>
<th>Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>Major GPR 27+hrs</td>
<td>Includes ATMO 201, 202; GEOG 201, 203, 213, 330; GEOL 101, 104, 420; GEOS 101, 105, 405, 470, 481; DCNG 251, 252, 657.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Credits and GPA 0.000 .00

unofficial evaluation

Back to Display Options

Print
MEMORANDUM

To: Dr. Chris Houser, Associate Dean, Undergraduate and Faculty Affairs, College of Geosciences
To: Dr. Eric Riggs, Assistant Dean, Graduate Affairs and Diversity, College of Geosciences
From: Dr. Debbie Thomas, Department Head, Oceanography
Dr. Christian Brannstrom, Director, Environmental Programs

RE: Revisions to catalog degree requirements for the Joint degree program between Oceanography and Environmental Geosciences program

I have attached a revision to the Fast Track 3+2 program for ENGS and the non-thesis MS in Oceanography. It has been modified to fix the errors in the catalog degree requirements and degree evaluation.

Catalog changes include:
Second Year Spring
- Add the communications elective increasing the semester credit hours from 14 to 17
- Replace the technical elective with a Theme Elective
Third Year Fall
- Replace STAT 303 Statistical Methods with STAT 211 Statistical Methods I.
Third Year Spring
- Replace the theme elective with GEOS 470 Data Analysis Methods in Geosciences. This is normally required for ENGS majors.
Fourth Year Spring
- Add theme elective increasing the semester credit hours from 15 to 18
Total Four year hours
- Correcting the total credits for four years to 132. There 12 graduate only credit hours in the fourth year along with 6 hours of dual graduate/undergraduate credit. Any 600 level OCNG course can be used for the dual credit.
Fifth Year Spring
- Correct the Capstone Experience to the actual course ONG 661 Advanced Oceanographic Data Analysis and Communication

Degree Evaluation edits include:
- Program: BS ENGS GOC Program. I think this is supposed to be a GOC program like the other 3 3+2 programs Oceanography has with undergraduate majors in the College of Geosciences.
Supporting Coursework

- Technical Electives are reduced to 7 hours to reflect the move of GEOG 390 to required.
- Add URPN 361 as a policy elective option.

Environmental Theme Electives

- Remove OCNG 401, OCNG 604 and OCNG 608 as required.
- Change electives to 15 hours
- Include any 300 or 400 level OCNG course.
- Add statement for dual credit graduate courses. “6 hours will come from two dual credit OCNG 600-679 courses.

Mathematics

- Change STAT 303 to STAT211
- Remove the must make a grade of ‘C’ or better requirements from the degree evaluation

Life and Physical Sciences

- Remove the must make a grade of ‘C’ or better requirements from the degree evaluation

If you have any questions, please contact the assistant department head, Dr. Shari Yvon-Lewis (979-458-1816; syvon-lewis@tamu.edu).
CHANGE IN CURRICULUM

COLLEGE OF GEOSCIENCES
DEPARTMENT OF GEOLOGY AND GEOPHYSICS
BA IN GEOLOGY AND MS IN OCEANOGRAPHY 3+2
Texas A&M University
Request for a Change in Curriculum
Undergraduate • Graduate • Professional

1. Program request type: ☑ Undergraduate  ☐ Graduate  ☐ First Professional (e.g. D/M.J.D, M.D, etc.)

2. Request change for:
   ☑ Degree Program  ☐ Minor  ☐ Certificate

3. Request submitted by (Department or Program Name):
   Oceanography

4. Program Designation and Name
   (e.g. B.A. in History, Minor in History, Certificate in European Union):
   Geology - 5-Year Bachelor of Arts/Master of Science in Oceanography

5. Brief description of change:
   Adjust the catalog program requirements to match the degree evaluation and clarify options for students

   Includes change to GR program (attached). sw

6. Rationale for change:
   There were errors associated with the entering of the program requirements into the new electronic catalog. These need to be corrected. A few corrections were also made to the degree evaluation to account for the change in the MATH requirements to 8 credits from 6 credits.

---

Use the checkboxes below to make sure that all information is included.

7. a. Proposed curriculum attached. ☑ Yes  ☐ No

   b. Current catalog curriculum with handwritten edits attached. ☑ Yes  ☐ No

   c. Current Howdy degree evaluation with handwritten edits attached. ☑ Yes  ☐ No

   Please make sure the attached proposed curriculum, catalog and Howdy degree evaluation match.

8. a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes? ☐ Yes  ☑ No

   b. If yes, degree program hours will change from: _______ to: _______

   c. If yes, is the Texas Higher Education Coordinating Board form attached? ☐ Yes  ☑ No

   http://www.thecb.state.tx.us/index.cfm?objectid=A0F9F7FA-9A92-4F11-2756AD3BBFF01D60

9. If proposed changes affect other unit(s), are letters of support attached? ☑ Yes  ☐ No

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UCC/GC, January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:

[Signature]
[Date]

Dean of College
[Date]

Chair, GC or UCC
[Date]

Questions regarding this form should be directed to Curricular Services at 845-8201 or sandra.williams@tamu.edu
Curricular Services – 04/14
23 November 2015

MEMORANDUM

To: Dr. Chris Houser, Associate Dean, Undergraduate and Faculty Affairs, College of Geosciences
To: Dr. Eric Riggs, Assistant Dean, Graduate Affairs and Diversity, College of Geosciences
From: Dr. Debbie Thomas, Department Head, Oceanography
Dr. Ping Yang, Department Head, Atmospheric Sciences
Dr. Michael Pope, Department Head, Geology and Geophysics
Dr. Christian Brannstrom, Director Environmental Programs, College of Geosciences

RE: Revisions to the BS-METR-GOC, BS-GEOL-GOC, BA-GEOL-GOC and BS-ENGS-GOC programs.

We are requesting revisions to the 3+2 programs combining the non-thesis MS in Oceanography with the undergraduate METR, GEOL and ENGS degrees. They have been modified to swap out the non-thesis MS in Oceanography with the newly approved non-thesis Master of Ocean Science and Technology. This is simply a swap in the designation of the non thesis Master’s degree.

The degree plans remain as modified in the by the corrections recently submitted for approval.

If you have any questions, please contact the assistant department head, Dr. Shari Yvon-Lewis (979-458-1816; syvon-lewis@tamu.edu).
Geology - 5-Year Bachelor of Arts/Master of Science in Oceanography

The Fast Track Program offers motivated and exceptional students the opportunity to achieve aspirations in an efficient program at Texas A&M, completing the Bachelor of Arts (B.A.) degree in the Department of Geology and Geophysics Geology Program and the Oceanography non-thesis M.S. degree in 5 years. There will be only two courses used for dual credit in this program. There is a total of 150 hours of coursework. The concurrent degree program will enable these motivated students to coordinate the required B.A. coursework (6 dual credit graduate hours and 6 dual credit graduate hours for the B.A. non-thesis M.S. degree) and non-thesis M.S. coursework (36 credit hours including the 6 dual credit graduate hours) to complete the required credit hours for each degree without diminishing scope or quality of work and within 5 years.

Application and Eligibility:

- Applications to the Fast Track program will be submitted by July 1 after the completion of the student’s junior year. Applications submitted after that time will be evaluated on a case by case basis.
- Applicants must have a minimum undergraduate GPR of 3.0.
- Applicants must also earn a C or better in all Chemistry, Calculus and Physics courses. Once admitted to the program, the students must maintain a minimum 3.0 GPR.
- A faculty advisor will be assigned to each student. Students may seek additional mentors, but a formal committee is not required.
- Students admitted to the Fast Track program must finish the entire 150-credit hours to obtain both the Bachelor’s and Master’s degrees. These students will be conferred with two degrees once they complete the 5th year of the concurrent program.
- Students admitted to the program will change from U4 to G7 status when they are admitted having completed at least 102 hours (end of spring semester, year 3).
- Students not accepted or not allowed to continue with the Fast Track Program will complete the 120-hour Bachelor’s degree under the standard 4-year curriculum. These students may still apply to the traditional graduate program.
- Students will graduate at the completion of the 5th year in the Fast Track Program coursework (150 credit hours) with both Bachelor’s and Master’s degrees. Students will complete the coursework in May of the 5th year.

Program Requirements

First Year

<table>
<thead>
<tr>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td>Fall</td>
</tr>
<tr>
<td>GEOL 104</td>
</tr>
<tr>
<td>CHEM 101</td>
</tr>
<tr>
<td>&amp; CHEM 111</td>
</tr>
<tr>
<td>MATH 151</td>
</tr>
<tr>
<td>ENGL 104</td>
</tr>
<tr>
<td>GEOS 101</td>
</tr>
<tr>
<td>Term Semester Credit Hours</td>
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</table>

Second Year

<table>
<thead>
<tr>
<th>Term Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
</tr>
<tr>
<td>GEOL 203</td>
</tr>
<tr>
<td>GEOL 311</td>
</tr>
<tr>
<td>GEOP 341</td>
</tr>
<tr>
<td>PHYS 218</td>
</tr>
<tr>
<td>Minor elective (recommend GEOL 386)</td>
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<tr>
<td>Term Semester Credit Hours</td>
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</table>

Third Year

<table>
<thead>
<tr>
<th>Term Semester Credit Hours</th>
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<tbody>
<tr>
<td>Fall</td>
</tr>
<tr>
<td>GEOL 330</td>
</tr>
<tr>
<td>GEOL elective (recommend GEOL 386)</td>
</tr>
<tr>
<td>American History elective</td>
</tr>
<tr>
<td>Term Semester Credit Hours</td>
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Fourth Year

<table>
<thead>
<tr>
<th>Term Semester Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>Fall</td>
</tr>
<tr>
<td>Social and behavioral sciences elective</td>
</tr>
<tr>
<td>American History elective or Government/Political Science elective</td>
</tr>
<tr>
<td>Term Semester Credit Hours</td>
</tr>
</tbody>
</table>
OCNG 604  Ocean Observing Systems  1
OCNG 609  Physical Oceanography  1
OCNG 653  Communicating Ocean Science  1

Spring
GEOL elective
Language, philosophy and culture
OCNG 857  Data Methods and Graphical Representation in Oceanography

OCNG 620  Biological Oceanography
OCNG 640  Chemical Oceanography

Term Semester Credit Hours  15

Total Semester Credit Hours:  48

Fifth Year
Fall
Advanced specialized OCNG graduate course  3
Advanced specialized OCNG graduate course  3
Advanced specialized OCNG graduate course  3

Term Semester Credit Hours  9

Spring
Advanced specialized OCNG graduate course  3
Advanced specialized OCNG graduate course  3
Capstone Experience II

Term Semester Credit Hours  9

Total Semester Credit Hours:  18

Any of the required courses may be taken during the summer sessions to diminish the heavy semester loads during GEOL Two and Three.

If students use six credits of allowed OCNG courses (e.g. OCNG 251 or OCNG 401, OCNG 252, OCNG 350, OCNG 451, OCNG 498) as minor or free electives, they will receive an OCNG minor with their BA in GEOL.

A second W course is required. GEOL 312 is offered as a W option when taught by Dr. Julie Newman, and other GEOL electives also fulfill the W requirement (including GEOL 491 when arranged with the permission of the instructor).

Students will not be permitted to receive credit for both the 400- and 600-level versions of certain courses because the content and learning outcomes are too similar (e.g. OCNG 410/OCNG 608, OCNG 440/OCNG 640).

Graduate courses will be taken for dual undergraduate/graduate credit and may contribute to the minor.

Admission Process
Apply: End of junior year; after 6 semesters; minimum GPA = 3.0.
Decision: August prior to starting graduate coursework in fall of Senior Year.
Change to graduate status (G7).
<table>
<thead>
<tr>
<th>Course Title</th>
<th>Subject</th>
<th>Term</th>
<th>Credits</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math 101</td>
<td>Math</td>
<td>Fall</td>
<td>3.00</td>
<td>A</td>
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<tr>
<td>Science 202</td>
<td>Science</td>
<td>Spring</td>
<td>2.00</td>
<td>B</td>
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</table>

**Required Courses**

<table>
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<tr>
<th>Course Title</th>
<th>Subject</th>
<th>Term</th>
<th>Credits</th>
<th>Grade</th>
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</thead>
<tbody>
<tr>
<td>Bio 301</td>
<td>Biology</td>
<td>Fall</td>
<td>3.50</td>
<td>A+</td>
</tr>
<tr>
<td>Chem 102</td>
<td>Chemistry</td>
<td>Spring</td>
<td>3.00</td>
<td>B+</td>
</tr>
</tbody>
</table>

**Transfer Credit**

- Overall GPA: 3.50
- Program GPA: 3.75
- Total Required: 30 Credits

**Program Evaluation**

- Department: Biology
- Major: Molecular Biology
- Level: Junior
- Degree: Bachelor
- College: Chemistry
- Program: Enviro Scien

**Limitation**

No more than 12 hours of correspondence earned through an accredited institution may be used for an undergraduate degree.

Total Credits and GPA 0.000

Detailed Requirements:

A. Writing Requirement

B. Core Course Requirement

C. General Education Requirement

D. Liberal Arts Requirement

E. Major Requirements

Foreign Language Requirement

Area: Foundation Language - Not Met

Area: Core Curriculum - Not Met

Area: General Education - Not Met

Area: Liberal Arts - Not Met

Area: Major Requirement - Not Met

Area: University Requirement - Not Met

Note: All courses must be completed with a grade of B or better.
23 October 2015

MEMORANDUM

To:     Dr. Chris Houser, Associate Dean, Undergraduate and Faculty Affairs, College of Geosciences

To:     Dr. Eric Riggs, Assistant Dean, Graduate Affairs and Diversity, College of Geosciences

From:   Dr. Debbie Thomas, Department Head, Oceanography
        Dr. Michael Pope, Department Head, Geology and Geophysics

RE: Revisions to catalog degree requirements for the Joint degree program between Oceanography and the Geology BA program

I have attached a revision to the Fast Track 3+2 program for BA GEOL and the non-thesis MS in Oceanography. It has been modified to fix the errors in the catalog degree requirements and in the degree evaluation.

Catalog changes include:

First Year Fall
- Adding the course title for MATH 151 and including new footnote #1
- Replacing the GEOS 101 Introduction to the Geosciences course with a free elective and indicate that GEOS 101 is recommended for this 1 credit course.

First Year Spring
- Communications elective

Second Year Fall
- Remove references to old footnote 1
- Add a Language/Philosophy/Culture elective and increase semester credits from 15 to 18.
- Correct the footnote for the minor elective

Second Year Spring
- Removing reference to old footnote #1
- Showing the American History elective correctly as ‘American History or Government/Political Science Elective’
- Correct the footnote for the minor elective and include the 3 credits for this in the semester total revising the total from 15 to 18

Third Year Fall
- Showing the American History elective correctly as ‘American History or Government/Political Science Elective’
- Removing the old footnote references.

Third Year Spring
- Correcting the footnote number for GEOL 312 to footnote #2 in the revised footnote list
- Correcting the footnote number for OCNG 430 to footnote #1 in the revised footnote list.
• Remove the old footnote references
• Add the wcrd elective for the creative arts elective
• Change the free elective to a minor elective.

Fourth Year Fall
• Add the wcrd elective for the social and behavioral sciences elective
• Showing the American History elective correctly as 'American History or Government/Political Science Elective'
• Move OCNG 603 to the spring semester. Replace with choosing one of the fundamental graduate OCNG courses (OCNG 620, OCNG 630 or OCNG 640)

Fourth Year Spring
• Replace the Language/Philosophy/Culture elective with Technical Elective
• Replacing OCNG 620 with OCNG 603 Communicating Ocean Science
• Replace OCNG 640 with choosing one of the fundamental graduate OCNG courses (OCNG 620, OCNG 630 or OCNG 640).

Total Four year hours
• Correcting the total credits for four years to 132. There are 12 credit hours that are graduate only in the fourth year along with 6 credit hour of dual graduate/undergraduate credit.

Fifth Year Spring
• Correcting the Capstone Experience to the actual course ONG 661 Advanced Oceanographic Data Analysis and Communication

Correct footnotes are:

1 If students use up to 9 hours of allowed undergraduate OCNG courses (e.g. OCNG 251, 252, 350, etc) with the two dual credit graduate courses they will also be eligible to receive an oceanography minor with their BA in GEOL.

2 A second W course is required. GEOL 312 is offered as a W option when taught by Dr. Julie Newman, and other GEOL electives also fulfill the W requirement (including GEOL 491 when arranged with the permission of the instructor).

3 Students will not be permitted to receive credit for both the 400- and 600-level versions of certain courses because the content and learning outcomes are too similar (e.g. OCNG 440/OCNG 640).

4 Two graduate courses will be taken for dual undergraduate/graduate credit and will contribute to the minor.

Corrections to the Degree Evaluation include:

Supporting Coursework
• Technical electives becomes 3 hours
• Minor emphasis becomes 16 hours to include the extra 1 credit hour minor elective (recommended OCNG 252, but could be OCNG 281 or OCNG 481).

Mathematics
- Changed from 6 credits to 8 credits to accommodate the MATH 151 and MATH 152 requirements
Life and Physical Sciences
- Added the labs for CHEM (111 and 112) to maintain the 16 credit hours
General Electives
- Reduced to 4 credits to accommodate the increase in MATH from 6 credits to 8 credits.

If you have any questions, please contact the assistant department head, Dr. Shari Yvon-Lewis (979-458-1816, syvon-lewis@tamu.edu).
CHANGE IN CURRICULUM

COLLEGE OF GEOSCIENCES
DEPARTMENT OF GEOLOGY AND GEOPHYSICS
BS IN GEOLOGY AND MS IN OCEANOGRAPHY 3+2
Texas A&M University
Request for a Change in Curriculum
Undergraduate • Graduate • Professional

1. Program request type:  
☐ Undergraduate  ☑ Graduate  ☐ First Professional (ex. DVM, JD, MD, etc.)

2. Request change for:  
☐ Degree Program  ☐ Minor  ☐ Certificate

3. Request submitted by (Department or Program Name):  
Oceanography

Program Designation and Name  
Geology - 5-Year Bachelor of Science/Master of Science in Oceanography

4. (e.g., B.A. in History, Minor in History, Certificate in European Union):  

5. Brief description of change:  
Adjust the catalog program requirements to match the degree evaluation and clarify options for students.

Includes change to GR program (attached). sw

6. Rationale for change:  
There were errors associated with the entering of the program requirements into the new electronic catalog. These need to be corrected.

7. Use the checkboxes below to make sure that all information is included.

   a. Proposed curriculum attached.  ☑ Yes  ☐ No
   b. Current catalog curriculum with handwritten edits attached.  ☑ Yes  ☐ No
   c. Current Howdy degree evaluation with handwritten edits attached.  ☑ Yes  ☐ No

     Please make sure the attached proposed curriculum, catalog and Howdy degree evaluation match.

8. a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes?  ☐ Yes  ☑ No
   b. If yes, degree program hours will change from:  □□□□□□□□  to:  □□□□□□□□
   c. If yes, is the Texas Higher Education Coordinating Board form attached?  ☐ Yes  ☑ No

     http://www.thecb.state.tx.us/index.cfm?objectid=A0F9F7FA-9A92-4F11-2756AD3BBFF01D60

9. If proposed changes affect other unit(s), are letters of support attached?  ☑ Yes  ☐ No

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UCC/GC, January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:

Department Head or Program Chair (Type Name & Sign)  Date

Dean of College  Date

Chair, College Review Committee  Date

Chair, GC or UCC  Date

Questions regarding this form should be directed to Curricular Services at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 04/14

RECEIVED  NOV 06 2015
CURRICULAR SERVICES
23 November 2015

MEMORANDUM

To: Dr. Chris Houser, Associate Dean, Undergraduate and Faculty Affairs, College of Geosciences

To: Dr. Eric Riggs, Assistant Dean, Graduate Affairs and Diversity, College of Geosciences

From: Dr. Debbie Thomas, Department Head, Oceanography
Dr. Ping Yang, Department Head, Atmospheric Sciences
Dr. Michael Pope, Department Head, Geology and Geophysics
Dr. Christian Brannstrom, Director Environmental Programs, College of Geosciences

RE: Revisions to the BS-METR-GOC, BS-GEOL-GOC, BA-GEOL-GOC and BS-ENGS-GOC programs.

We are requesting revisions to the 3+2 programs combining the non-thesis MS in Oceanography with the undergraduate METR, GEOL and ENGS degrees. They have been modified to swap out the non-thesis MS in Oceanography with the newly approved non-thesis Master of Ocean Science and Technology. This is simply a swap in the designation of the non-thesis Master’s degree.

The degree plans remain as modified in the by the corrections recently submitted for approval.

If you have any questions, please contact the assistant department head, Dr. Shari Yvon-Lewis (979-458-1816; syvon-lewis@tamu.edu).
Geology - 5-Year Bachelor of Science/Master of Science in Oceanography

The Fast Track Program offers motivated and exceptional students the opportunity to achieve aspirations in an efficient program at Texas A&M, completing the Bachelor of Science (B.S.) degree in the Department of Geology and Geophysics Geology Program and the Oceanography non-thesis M.S. degree in 5 years. There will be only two courses used for dual credit in this program. There is a total of 150 hours of coursework. The concurrent degree program will enable those motivated students to coordinate the required B.S. coursework (122 undergraduate credit hours and dual credit graduate courses) and non-thesis M.S. coursework (36 credit hours including the 6 dual credit graduate courses) to complete the required credit hours for each degree without diminishing scope or quality of work and within 5 years.

Application and Eligibility

- Applications to the Fast Track program will be submitted by July 1 after the completion of the student's junior year. Applications submitted after that time will be evaluated on a case-by-case basis.
- Applicants must have a minimum undergraduate GPR of 3.0. Applicants must also earn a C or better in all Chemistry, Calculus and Physics courses. Once admitted, to the program, students must maintain a minimum 3.0 GPR.
- A faculty advisor will be assigned to each student. Students may seek additional mentors, but a formal committee is not required.
- Students admitted into the Fast Track program must finish the entire 150 credit hours to obtain both the Bachelor's and Master's degrees. These students will be conferred with two degrees once they complete the 5th year of the concurrent program.
- Students admitted to the program will change from U4 to G7 status when they are admitted having completed at least 96 hours (end of spring semester, year 3).
- Students not accepted or not allowed to continue with the Fast Track Program will complete the 120 hour Bachelor's degree under the standard 4-year curriculum. These students may still apply to the traditional graduate program.

Students will graduate at the completion of the 5th year in the Fast Track Program coursework (150 credit hours), with both Bachelor's and Master's degrees. Students will complete the coursework in May of the 5th year.

Program Requirements

First Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
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</tr>
<tr>
<td>GEOL 104</td>
<td>Physical Geology 4</td>
</tr>
<tr>
<td>CHEM 101</td>
<td>Fundamentals of Chemistry I 4</td>
</tr>
<tr>
<td>&amp; CHEM 111</td>
<td>and Fundamentals of Chemistry Laboratory I 4</td>
</tr>
<tr>
<td>MATH 151</td>
<td>Engineering Mathematics I 4</td>
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<tr>
<td>ENGL 104</td>
<td>Composition and Rhetoric 3</td>
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<td>GEOS First Year Seminar</td>
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Second Year

<table>
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<th>Credit Hours</th>
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<tbody>
<tr>
<td>Fall</td>
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</tr>
<tr>
<td>GEOL 203</td>
<td>Mineralogy 1 4</td>
</tr>
<tr>
<td>GEOL 311</td>
<td>Principles of Geological Writing 1, 2 1</td>
</tr>
<tr>
<td>GEOP 341</td>
<td>Global Geophysics 1 3</td>
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<tr>
<td>PHYS 218</td>
<td>Mechanics 1 4</td>
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<td>MATH 251</td>
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Spring

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<tr>
<th>Semester</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>GEOL 302</td>
<td>Introduction to Petrology 1 4</td>
</tr>
<tr>
<td>GEOL 306</td>
<td>Sedimentology and Stratigraphy 1 4</td>
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<tr>
<td>PHYS 208</td>
<td>Electricity and Optics 1 4</td>
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<tr>
<td>MATH 308</td>
<td>Differential Equations 1 3</td>
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<tr>
<td>GRS 308</td>
<td>Introduction to Geological Field Methods 1 3</td>
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<td><strong>Term Semester Credit Hours</strong></td>
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</table>

Third Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>Fall</td>
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</tr>
<tr>
<td>GEOL 451</td>
<td>Introduction to Geochemistry 1 3</td>
</tr>
<tr>
<td>GEOL 305</td>
<td>Paleobiology 1 3</td>
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<tr>
<td>GEOL 309</td>
<td>Introduction to Geological Field Methods 1 3</td>
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<tr>
<td><strong>Term Semester Credit Hours</strong></td>
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Spring

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>GEOL 304</td>
<td>Igneous and Metamorphic Petrology 1 4</td>
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<td>GEOL 312</td>
<td>Structural Geology and Tectonics 1, 2 4</td>
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Fourth Year

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<td>Fall</td>
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<td>GEOL 300</td>
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<td>Course Title</td>
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<tr>
<td>OCNG 604</td>
<td>Ocean Observing Systems</td>
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<td>OCNG 608</td>
<td>Physical Oceanography</td>
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<td>OCNG 603</td>
<td>Communicating Ocean Science</td>
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<tr>
<td>OCNG 657</td>
<td>Data Methods and Graphical Representation in Oceanography</td>
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<td>OCNG 629</td>
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<td>OCNG 640</td>
<td>Chemical Oceanography</td>
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<td>OCNG 670</td>
<td>Biological Oceanography</td>
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<td>Geophysical Oceanography</td>
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<td>OCNG 640</td>
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**Total Semester Credit Hours:** 15

**Fifth Year**

<table>
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<tr>
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<td>OCNG 610</td>
<td>Advanced specialized OCNG graduate course</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>OCNG 610</td>
<td>Advanced specialized OCNG graduate course</td>
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<tr>
<td>Spring</td>
<td>OCNG 610</td>
<td>Advanced specialized OCNG graduate course</td>
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</tr>
<tr>
<td></td>
<td>OCNG 610</td>
<td>Advanced specialized OCNG graduate course</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Semester Credit Hours:** 9

**Total Semester Credit Hours:** 33

---

1. Any of the required courses may be taken during the Summer Sessions to diminish the heavy semester loads during Years Two and Three.

2. A second W course is required. GEOL 312 is offered as a W option when taught by Dr. Julie Newman, and other GEOL electives also fulfill the W requirement (including GEOL 491 when arranged with the permission of the instructor).

3. Students will not be permitted to receive credit for both the 400- and 500-level versions of certain courses because the content and learning outcomes are too similar (e.g., OCNG 410/OCNG 608, CCNG 440/OCNG 640).

---

**Admission Process**

- **Apply:** End of junior year after 8 semesters; minimum GPA = 3.0.
- **Decision:** August prior to starting graduate course work in Fall of Senior Year.
- **Change to graduate status:** (07)
- **Apply for graduate degree plan:** Upon approval of G7 status.
Viewing: Degree Evaluation (Degree/CV) Email:

Change Student

Degree Requirements

This is NOT an official evaluation.

Other Course Information:
Overall GPA: 
Program GPA: 
Total Required:

Transfer:

Required Used

Credits

Met Courses:

Concentrations:

Major: Geology
Minor: Geology
Result of Evaluation: Accepted
Expected Graduation Date: Fall 2015 - College Station
Evaluation Term: Spring 2015 - College Station

Limitations:
- Minimum 3.0 Program GPA

Program Evaluation:
Information for Degree Evaluation

Detract Requirements

Oct 16, 2015 10:55 AM
Roxanna R. Russell

Note: Minor Coursework (51.000 credits) - Not Met
### Unofficial Evaluation

**Total Credits and GPA:** 0.00

**Area: Mathematics (14.000 credits) - Not Met**

#### Unofficial Evaluation

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
<th>Grade</th>
<th>Area: Mathematics</th>
<th>Requirement Met</th>
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<tbody>
<tr>
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### Unofficial Evaluation

**Total Credits and GPA:** 0.00

**Area: Engineering (14.000 credits) - Not Met**

#### Unofficial Evaluation

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<th>Credits</th>
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</table>

### Unofficial Evaluation

**Total Credits and GPA:** 0.00

**Area: Geology (14.000 credits) - Not Met**

#### Unofficial Evaluation

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
<th>Grade</th>
<th>Area: Geology</th>
<th>Requirement Met</th>
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<td><strong>Area: Geology (14.000 credits) - Not Met</strong></td>
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### Unofficial Evaluation

**Total Credits and GPA:** 0.00

**Area: Environmental Science (12.000 credits) - Not Met**

#### Unofficial Evaluation

<table>
<thead>
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<th>Course Title</th>
<th>Credits</th>
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### Unofficial Evaluation

**Total Credits and GPA:** 0.00

**Area: Sustainability (14.000 credits) - Not Met**

#### Unofficial Evaluation

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<th>Course Title</th>
<th>Credits</th>
<th>Grade</th>
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<tr>
<td><strong>Area: Sustainability (14.000 credits) - Not Met</strong></td>
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</table>

### Unofficial Evaluation

**Total Credits and GPA:** 0.00

**Area: Free Electives (12.000 credits) - Not Met**

#### Unofficial Evaluation

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
<th>Grade</th>
<th>Area: Free Electives</th>
<th>Requirement Met</th>
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### Unofficial Evaluation

**Total Credits and GPA:** 0.00

**Term Subject Course Title Attribute Credits Required Courses**

#### Unofficial Evaluation

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<th>Credits</th>
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<tr>
<td><strong>Term Subject Course</strong></td>
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</table>

### Unofficial Evaluation

**Total Credits and GPA:** 0.00

**Area: Communication (5000 credits) - Not Met**

#### Unofficial Evaluation

<table>
<thead>
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<th>Credits</th>
<th>Grade</th>
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<tbody>
<tr>
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</table>

### Unofficial Evaluation

**Total Credits and GPA:** 0.00

**Area: General Education (3000 credits) - Not Met**

#### Unofficial Evaluation

<table>
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<tr>
<th>Course Title</th>
<th>Credits</th>
<th>Grade</th>
<th>Area: General Education</th>
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<tbody>
<tr>
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</tbody>
</table>

### Unofficial Evaluation

**Total Credits and GPA:** 0.00

**Area: Supporting Courses (12.000 credits) - Not Met**

#### Unofficial Evaluation

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
<th>Grade</th>
<th>Area: Supporting Courses</th>
<th>Requirement Met</th>
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<tbody>
<tr>
<td><strong>Area: Supporting Courses (12.000 credits) - Not Met</strong></td>
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</table>

### Unofficial Evaluation

**Total Credits and GPA:** 0.00

**Area: Total Credits and GPA**

#### Unofficial Evaluation

<table>
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<th>Course Title</th>
<th>Credits</th>
<th>Grade</th>
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<th>Requirement Met</th>
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</thead>
<tbody>
<tr>
<td><strong>Area: Total Credits and GPA</strong></td>
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<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Unofficial Evaluation**

| Total Credits and GPA | 0.00 |

Select three hours from any course with the Creative Arts attribute (CLA).

Area: Creative Arts (3.000 credits) - Not Met

| Total Credits and GPA | 0.00 |

Select any course with the Language, Philosophy, and Culture attribute (LPC).

Area: Language, Philosophy & Culture (3.000 credits) - Not Met

| Total Credits and GPA | 0.00 |

No

Area: Life and Physical Sciences (1.000 credits) - Not Met

| Total Credits and GPA | 0.00 |

No

Area: Mathematics (1.000 credits) - Not Met

| Total Credits and GPA | 0.00 |

No

Area: Mathematics (1.000 credits) - Not Met

| Total Credits and GPA | 0.00 |

No

Area: Mathematics (1.000 credits) - Not Met
23 October 2015

MEMORANDUM

To: Dr. Chris Houser, Associate Dean, Undergraduate and Faculty Affairs, College of Geosciences

To: Dr. Eric Riggs, Assistant Dean, Graduate Affairs and Diversity, College of Geosciences

From: Dr. Debbie Thomas, Department Head, Oceanography
       Dr. Michael Pope, Department Head, Geology and Geophysics

RE: Revisions to catalog degree requirements for the Joint degree program between Oceanography and the Geology BS program

I have attached a revision to the Fast Track 3+2 program for BS GEOL and the non-thesis MS in Oceanography. It has been modified to fix the errors in the catalog degree requirements and in the degree evaluation.

Catalog changes include:
First Year Fall
  • Remove GEOS First year seminar and change the semester hours from 16 to 15.
First Year Spring
  • Communications elective
Second Year Spring
  • Showing the American History elective correctly as ‘American History or Government/Political Science Elective’
Third Year Fall
  • Swap GEOL 309 (3 cr) with GEOL 304 (4 cr) (from spring semester) and change the semester credit hours from 15 to 16.
  • Replace Government/Political Science elective with Language/Philosophy/Culture elective
  • Showing the American History elective correctly as ‘American History or Government/Political Science Elective’
  • Removing the old footnote references.
Third Year Spring
  • Swap GEOL 304 (4cr) with GEOL 309 (3 cr) (from fall semester) reducing the semester credit hours by 1.
  • Include the 4 credits from the GEOL elective, increasing the new total by 4 credits.
  • The total credits for this semester go from 14 to 17
  • Add the word elective to the creative arts elective
Fourth Year Fall
• Change OCNG 430 to technical elective

Fourth Year Fall
• Showing the American History elective correctly as ‘American History or Government/Political Science Elective’
• Move OCNG 603 to the spring semester. Replace with choosing one of the fundamental graduate OCNG courses (OCNG 620, OCNG 630 or OCNG 640)

Fourth Year Spring
• Replace 1 Language/Philosophy/Culture elective with American History or Government/Political Science Elective
• Replacing OCNG 620 with OCNG 603 Communicating Ocean Science
• Replace OCNG 640 with choosing one of the fundamental graduate OCNG courses (OCNG 620, OCNG 630 or OCNG 640).

Total Four year hours
• Correcting the total credits for four years to 132. There are 12 credit hours that are graduate only in the fourth year along with 6 credit hour of dual graduate/undergraduate credit.

Fifth Year Spring
• Correcting the Capstone Experience to the actual course ONG 661 Advanced Oceanographic Data Analysis and Communication

Correct footnotes are:

1 Students may take any of these course in the summer to reduce the heavy semester loads.

2 A second W course is required. GEOL 312 is offered as a W option when taught by Dr. Julie Newman, and other GEOL electives also fulfill the W requirement (including GEOL 491 when arranged with the permission of the instructor).

3 Students will not be permitted to receive credit for both the 400- and 600-level versions of certain courses because the content and learning outcomes are too similar (e.g. OCNG 440/OCNG 640).

4 Two graduate courses will be taken for dual undergraduate/graduate credit and will contribute to the minor.

Corrections to the Degree Evaluation include:

Life and Physical Sciences
• Added the labs for CHEM (111 and 112) to maintain the 16 credit hours

If you have any questions, please contact the assistant department head, Dr. Shari Yvon-Lewis (979-458-1816; syvon-lewis@tamu.edu).
CHANGE IN CURRICULUM

COLLEGE OF GEOSCIENCES

DEPARTMENT OF GEOLOGY AND GEOPHYSICS

BS IN METEOROLOGY AND MS IN OCEANOGRAPHY 3+2
Texas A&M University
Request for a Change in Curriculum
Undergraduate • Graduate • Professional

1. Program request type: ✗Undergraduate ✗Graduate ☐First Professional (ex. DVM, JD, MD, etc.)

2. Request change for: ✗Degree Program ☐Minor ☐Certificate

3. Request submitted by (Department or Program Name):
Program Designation and Name
(e.g., B.A. in History, Minor in History, Certificate in European Union):

Oceanography

Meteorology - 5-Year Bachelor of Science/Master of Science in Oceanography

4. Brief description of change:
Adjust the catalog program requirements to match the degree evaluation and clarify options for students

Includes change to GR program (attached). sw

5. Rationale for change:
There were errors associated with the entering of the program requirements into the new electronic catalog. These need to be corrected.

Use the checkboxes below to make sure that all information is included.

7. a. Proposed curriculum attached. ✗Yes ☐No
    b. Current catalog curriculum with handwritten edits attached. ✗Yes ☐No
    c. Current Howdy degree evaluation with handwritten edits attached. ✗Yes ☐No

Please make sure the attached proposed curriculum, catalog and Howdy degree evaluation match.

8. a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes? ☐Yes ✗No
    b. If yes, degree program hours will change from: ________ to: ________
    c. If yes, is the Texas Higher Education Coordinating Board form attached? ☐Yes ✗No

http://www.fleeb.state.tx.us/index.cfm?objectid=A0F9F70A-9A92-4F11-2756AD3BBF401D60

9. If proposed changes affect other unit(s), are letters of support attached? ✗Yes ☐No

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UCC/GC, January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:

Deborah Thomas
Department Head or Program Chair (Type Name & Sign) Date

Chris Houser
Chair, College Review Committee Date

Kate Miller
Dean of College Date

Chair, GC or UCC

Questions regarding this form should be directed to Curricular Services at 845-8201 or sandra.william@tamu.edu.
Curricular Services – 04/14

RECEIVED
CURRICULAR SERVICES
NOV 06 2015
23 November 2015

MEMORANDUM

To: Dr. Chris Houser, Associate Dean, Undergraduate and Faculty Affairs, College of Geosciences

To: Dr. Eric Riggs, Assistant Dean, Graduate Affairs and Diversity, College of Geosciences

From: Dr. Debbie Thomas, Department Head, Oceanography
       Dr. Ping Yang, Department Head, Atmospheric Sciences
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       Dr. Christian Brannstrom, Director Environmental Programs, College of Geosciences

RE: Revisions to the BS-METR-GOC, BS-GEOL-GOC, BA-GEOL-GOC and BS-ENGS-GOC programs.

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The degree plans remain as modified in the by the corrections recently submitted for approval.

If you have any questions, please contact the assistant department head, Dr. Shari Yvon-Lewis (979-458-1816; syvon-lewis@tamu.edu).
# Meteorology - 5-Year Bachelor of Science/Master of Science in Oceanography

The Fast Track Program offers motivated and exceptional students the opportunity to achieve aspirations in an efficient program at Texas A&M, completing the Bachelor of Science degree in the Department of Atmospheric Sciences Meteorology Program and the Oceanography non-thesis M.S. degree in 5 years. There will be only two courses used for dual credit in this program. There is a total of 150 hours of coursework. The concurrent degree program will enable these motivated students to coordinate the required B.S. coursework (44 undergraduate credit hours and 6 dual credit graduate courses), and non-thesis M.S. coursework (36 credit hours including the 6 dual credit graduate courses) to complete the required credit hours for each degree without diminishing scope or quality of work and within 5 years.

## Application and Eligibility

- Applications to the Fast Track program will be submitted by July 1 after the completion of the student's junior year. Applications submitted after that time will be evaluated on a case by case basis.
- Applicants must have a minimum undergraduate GPR of 3.0. Applicants must also earn a C or better in all Chemistry, Calculus and Physics courses. Once admitted to the program, students must maintain a minimum 3.0 GPR.
- A faculty advisor will be assigned to each student. Students may seek additional mentors, but a formal committee is not required.
- Students admitted into the Fast Track program must finish the entire 150 credit hours to obtain both the Bachelor's and Master's degrees. These students will be conferred with two degrees once they complete the 5th year of the concurrent program.
- Students admitted to the program will change from U4 to G7 status when they are admitted having completed at least 99 hours (end of spring semester, year 3).
- Students not accepted or not allowed to continue with the Fast Track Program will complete the 120 hour Bachelor's degree under the standard 4 year curriculum. These students may still apply to the traditional graduate program.
- Students will graduate at the completion of the 5th year in the Fast Track Program coursework (150 credit hours) with both Bachelor's and Master's degrees. Students will complete the coursework in May of the 5th year.

## Program Requirements

### First Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATMO 201</td>
<td>Weather and Climate</td>
</tr>
<tr>
<td>ENGL 104</td>
<td>Composition and Rhetoric</td>
</tr>
<tr>
<td>GEOS 101</td>
<td>Introduction to Geosciences</td>
</tr>
<tr>
<td>CSCI 201</td>
<td>Mechanical Engineering</td>
</tr>
<tr>
<td>MATH 172</td>
<td>Calculus</td>
</tr>
<tr>
<td>PHYS 218</td>
<td>Mechanics</td>
</tr>
<tr>
<td>American history elective</td>
<td></td>
</tr>
</tbody>
</table>

### Second Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATMO 251</td>
<td>Weather Observation and Analysis</td>
</tr>
<tr>
<td>ATMO 363</td>
<td>Introduction to Atmospheric Chemistry and Air Pollution</td>
</tr>
<tr>
<td>MATH 251</td>
<td>Engineering Mathematics III</td>
</tr>
<tr>
<td>ATMO 321 or CSCI 201</td>
<td>Computer Applications in the Atmospheric Sciences or Structured Programming in C</td>
</tr>
<tr>
<td>General elective</td>
<td>Government/Psychology elective</td>
</tr>
</tbody>
</table>

### Third Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATMO 335</td>
<td>Atmospheric Thermodynamics</td>
</tr>
<tr>
<td>ATMO 336</td>
<td>Atmospheric Dynamics</td>
</tr>
<tr>
<td>STAT 211</td>
<td>Introduction to Statistics</td>
</tr>
<tr>
<td>General elective</td>
<td>Government/Psychology elective</td>
</tr>
</tbody>
</table>

### Fourth Year

<table>
<thead>
<tr>
<th>Spring</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATMO 435</td>
<td>Synoptic-Dynamic Meteorology</td>
</tr>
<tr>
<td>General elective</td>
<td>Communication elective</td>
</tr>
</tbody>
</table>

### Fifth Year

<table>
<thead>
<tr>
<th>Spring</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication elective</td>
<td>Communication elective</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Elective Courses</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 151 or ENGL 104</td>
<td>Technical elective</td>
</tr>
</tbody>
</table>

**Total Semester Credit Hours:** 15, 16, 18, 16, 16
### Fourth Year

<table>
<thead>
<tr>
<th>Term Semester Credit Hours</th>
<th>18</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall</strong></td>
<td></td>
</tr>
<tr>
<td>ATMO 445</td>
<td>Physical Meteorology</td>
</tr>
<tr>
<td>ATMO 453</td>
<td>Remote Sensing and Satellite Meteorology</td>
</tr>
<tr>
<td>ATMO or technical elective</td>
<td></td>
</tr>
<tr>
<td>OCNG 604</td>
<td>Ocean Observing Systems</td>
</tr>
<tr>
<td>OCNG 608</td>
<td>Oceanography</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td>3</td>
</tr>
<tr>
<td>OCNG 620</td>
<td>Biological Oceanography</td>
</tr>
<tr>
<td>OCNG 630</td>
<td>Geological Oceanography</td>
</tr>
<tr>
<td>OCNG 640</td>
<td>Chemical Oceanography</td>
</tr>
</tbody>
</table>

### Spring

<table>
<thead>
<tr>
<th>Term Semester Credit Hours</th>
<th>18</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATMO or technical elective</td>
<td>3</td>
</tr>
<tr>
<td>General elective</td>
<td>3</td>
</tr>
<tr>
<td>OCNG 657</td>
<td>Data Methods and Graphical Representation in Oceanography</td>
</tr>
<tr>
<td>OCNG or technical elective</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td>3</td>
</tr>
<tr>
<td>OCNG 620</td>
<td>Biological Oceanography</td>
</tr>
<tr>
<td>OCNG 640</td>
<td>Chemical Oceanography</td>
</tr>
<tr>
<td>OCNG 630</td>
<td>Geological Oceanography</td>
</tr>
<tr>
<td>OCNG 603</td>
<td>Communicating Ocean Science</td>
</tr>
</tbody>
</table>

### Total Semester Credit Hours: 489

### Fifth Year

<table>
<thead>
<tr>
<th>Term Semester Credit Hours</th>
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</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall</strong></td>
<td></td>
</tr>
<tr>
<td>Advanced specialized OCNG graduate courses</td>
<td>9</td>
</tr>
<tr>
<td>Term Semester Credit Hours</td>
<td>9</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Spring</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced specialized OCNG graduate courses</td>
<td>6</td>
</tr>
<tr>
<td>Term Semester Credit Hours</td>
<td>9</td>
</tr>
</tbody>
</table>

### Total Semester Credit Hours: 18

---

Any of the required courses may be taken during the Summer Session to diminish the heavy semester loads during Years Two and Three.

If students use nine credits of allowed OCNG courses (e.g. OCNG 251 or OCNG 401, OCNG 252, OCNG 350, OCNG 451, OCNG 485) as technical electives and general electives, they will receive an OCNG minor with their BS in METR degree.

Graduate courses will be taken for dual undergraduate/graduate credit and will contribute to the minor and technical electives.

---

Students will not be permitted to receive credit for both the 400- and 600-level versions of certain courses because the content and learning outcomes are too similar (e.g. OCNG 440/OCNG 640). A grade of C or better is required.

All students enter as Lower Level Meteorology (METL) until completion of ATMO 335 and ATMO 336 and the associated prerequisite courses. Once students have completed these courses, their major will be changed to Upper Level Meteorology (METR), and they will be eligible to take upper-level electives. This change should occur following Fall of the junior year.

Select in consultation with faculty academic advisor.

General electives may not include CAEN 101-499; CAEX 101-499; DEVS 101-499; ENGL 198-199; MATH 102, MATH 131, MATH 141-142, MATH 150-152, MATH 171-172, MATH 221, MATH 251, MATH 253; PHYS 101, PHYS 201-202, PHYS 206, PHYS 218-219; AERS 100-499; MLSC 100-499; NVSC 100-499; SOMS 100-499

MLSC, NVSC and AERS courses can be used as general electives if a minor is completed in Military Science. See an academic advisor for more information.

Total undergraduate credit hours: 120

Total graduate credit hours: 36 (36 credits required for non-thesis MOST)

Total credits actually taken: 150

---

Recommend 6EOS 101
Total Credits and GPA 0.00

Select from MATH 171 or 172.

A. Math Requirement

 Requirement

No

Select from MATH 171 or 172.

No

Select from MATH 171 or 172.

No

Select from MATH 171 or 172.

No
Total Credits and GPA 0.00

No Met Condition: biology, health, personal wellness. Required courses: biology, health, personal wellness. Term subject course title attribute credits grade source.

Total Credits and GPA 0.00

No Met Condition: high enrollment. Required courses: biology, health, personal wellness. Term subject course title attribute credits grade source.

Total Credits and GPA 0.00

No Met Condition: high enrollment. Required courses: biology, health, personal wellness. Term subject course title attribute credits grade source.

Total Credits and GPA 0.00

No Met Condition: high enrollment. Required courses: biology, health, personal wellness. Term subject course title attribute credits grade source.
<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credits</th>
<th>Grade</th>
<th>Total Credits and GPA</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Social and Behavioral Sciences (3,000 credits)</td>
<td>Not met</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B. Select three hours from any course with the creative arts attribute (ART).</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C. General Elective (6,000 credits)</td>
<td>Not met</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D. Consent of Academic Advisor (1,200 credits)</td>
<td>Not met</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>E. Consent of Academic Advisor (1,200 credits)</td>
<td>Not met</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Degree Requirements**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
<th>Grade</th>
<th>Total Credits and GPA</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. General Elective (6,000 credits)</td>
<td>Not met</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B. Consent of Academic Advisor (1,200 credits)</td>
<td>Not met</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C. Consent of Academic Advisor (1,200 credits)</td>
<td>Not met</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D. Total Credits and GPA</td>
<td>0.000</td>
<td>0.000</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Complete one of the following:

1. Two years of the same foreign language in high school.
2. A, B, or C in secondary school

Area: Foreign Language - Not Met

Total Credits and GPA: 0.000

Area: C fails to be diversity

Total Credits and GPA: 0.000

Area: Writing Requirement - Not Met

Total Credits and GPA: 0.000

Area: Work Not Applied - Not Met

Details of requirements: See advisor for acceptance of substitutions.
Print

3 Back to Display Options

unofficial evaluation

Total Credits and GPA 6.000

unofficial evaluation

Select from ATMO 100-499; GEOS 100-499.

Major GPA 2.5 + (A)

Met Condition Rule Subject Attribute Low High Required Credits Required Courses Term Subject Course Title Attribute Credits Grade Source

Area: GRP-Major - Not Met

unofficial evaluation

Total Credits and GPA 6.000

unofficial evaluation

Select any 300 or 400 level courses.

A. Residence 300-499

B. AND

Selection ATMO 300-499

A. Residence Major 2.5 + (A)

Met Condition Rule Subject Attribute Low High Required Credits Required Courses Term Subject Course Title Attribute Credits Grade Source

Description: A minimum of 30 hours of 300-400 level coursework must be completed at Texas A&M University. At least half must be in the major field.

Area: Residence Requirement - Met

unofficial evaluation

Total Credits and GPA 6.000

2. A two semester sequence of the same foreign language for University credit.
23 October 2015

MEMORANDUM

To: Dr. Chris Houser, Associate Dean, Undergraduate and Faculty Affairs, College of Geosciences

To: Dr. Eric Riggs, Assistant Dean, Graduate Affairs and Diversity, College of Geosciences

From: Dr. Debbie Thomas, Department Head, Oceanography
       Dr. Ping Yang, Department Head, Atmospheric Sciences

RE: Revisions to catalog degree requirements for the Joint degree program between Oceanography and Atmospheric Sciences/Meteorology program

I have attached a revision to the Fast Track 3+2 program for METR and the non-thesis MS in Oceanography. It has been modified to fix the errors in the catalog degree requirements. The degree evaluation remains the same.

Details of changes include:

First Year Fall
- Adding the course title for MATH 151 and including new footnote #1
- Replacing the GEOS 101 Introduction to the Geosciences course with a free elective and including footnotes #2 showing a list of allowable general electives and #3 indicating that GEOS 101 is recommended for this 1 credit course.

First Year Spring
- Adding the title for MATH 152 and including new footnote #1
- Showing the American History elective correctly as ‘American History or Government/Political Science Elective’

Second Year Fall
- Including the alternative allowed for ATMO 321 – should include ‘or CSCE 206 Structural Programming in C’
- Replacing POLS 206 with ‘American History or Government/Political Science Elective’
- Correcting the footnote references for the general elective to new #2 and #4.

Second Year Spring
- Removing reference to old footnote #1 from ATMO 324 and PHYS 208
- Showing the American History elective correctly as ‘American History or Government/Political Science Elective’
- Adding the word elective for the social and behavioral sciences elective.

Third Year Fall
- Correcting the footnote number for ATMO 335 and ATMO 336 to footnote #5 in the revised footnote list.
- Replacing POLS 207 with ‘American History or Government/Political Science Elective’
• Correcting the footnote references for the general elective to new #2 and #4.

Third Year Spring
• Replacing the abbreviation ATMO with Atmospheric Sciences in the Atmospheric sciences or technical electives line and including the correct footnotes #6, #7 and #8 from the revised footnotes list
• Replacing communications elective with COMM 203 Public Speaking or COMM 205 Communication for Technical Professions
• Removing incorrect references to the old footnote #1.

Fourth Year Fall
• Replacing ATMO Remote Sensing elective with ATMO 441 Satellite Meteorology and Remote Sensing or ATMO 443 Radar Meteorology
• Replacing the abbreviation ATMO with Atmospheric Sciences in the Atmospheric sciences or technical electives line and including the correct footnotes #6, #7 and #8 from the revised footnotes list
• Correcting the footnotes to include #7, #8 and #9 on OCNG 604, OCNG 608 and the selection of a graduate fundamental course.

Fourth Year Spring
• Replacing the abbreviation ATMO with Atmospheric Sciences in the Atmospheric sciences or technical electives line and including the correct footnotes #6, #7 and #8 from the revised footnotes list.
• Removing the erroneous repeat of the line ‘Representation in Oceanography’ along with the incorrect 3 credits listed for it.
• Correcting the footnotes to include #8 and #9 on the selection of a graduate fundamental course.
• Correcting the total credits for this semester to 15

Total Four year hours
• Correcting the total credits for four years to 132

Fifth Year Fall
• Making the word course plural
• Correcting the Capstone Experience to the actual course ONG 661 Advanced Oceanographic Data Analysis and Communication

Correct footnotes are:

1 A grade of C or better is required.

2 General electives may not include CAEN 101-499; CAEX 101-499; DEV 101-499; ENGL 103; KINE 198-199; MATH 102, MATH 131, MATH 141-142, MATH 150-152, MATH 171-172, MATH 221, MATH 251, MATH 253; PHYS 101, PHYS 201-202, PHYS 208, PHYS 218-219; AERS 100-499; MLSC 100-499; NVSC 100-499; SOMS 100-499

3 GEOS 101 is recommended

4 MLSC, NVSC and AERS courses can be used as general electives if a minor is completed in Military Science. See an academic advisor for more information.
All students enter as Lower Level Meteorology (METL) until completion of ATMO 335 and ATMO 336 and the associated prerequisite courses. Once students have completed these courses, their major will be changed to Upper Level Meteorology (METR), and they will be eligible to take upper-level electives. This change should occur following Fall of the junior year.

Select in consultation with faculty academic advisor.

If students use nine credits of allowed OCNG courses (e.g. OCNG 251 or OCNG 401, OCNG 252, OCNG 350, etc) as technical electives and general electives, they will receive an OCNG minor with their BS in METR degree.

Students will not be permitted to receive credit for both the 400- and 600-level versions of certain courses because the content and learning outcomes are too similar (e.g. OCNG 440/OCNG 640).

Two graduate courses will be taken for dual undergraduate/graduate credit and will contribute to the minor.

If you have any questions, please contact the assistant department head, Dr. Shari Yvon-Lewis (979-458-1816; syvon-lewis@tamu.edu).
CHANGE IN CURRICULUM
COLLEGE OF LIBERAL ARTS
MINOR IN LIBERAL ARTS HONORS
Texas A&M University
Request for a Change in Curriculum
Undergraduate • Graduate • Professional

1. Program request type: ☑ Undergraduate  □ Graduate  □ First Professional (e.g., DFA, JD, MD, etc.)

2. Request change for: □ Degree Program  ☑ Minor  □ Certificate

3. Request submitted by (Department or Program Name): CLLA

Program Designation and Name
(e.g., B.A. in History, Minor in History, Certificate in European Union): Minor in Liberal Arts Honors

4. Brief description of change:
Changing Rule B to 9 hours, and adding Rule C which will be 3 hours.

5. Rationale for change:
To make the honors research requirement/capstone its own Rule

Use the checkboxes below to make sure that all information is included.

7. a. Proposed curriculum attached. ☑ Yes  □ No

b. Current catalog curriculum with handwritten edits attached. ☑ Yes  □ No

c. Current Howdy degree evaluation with handwritten edits attached. ☑ Yes  □ No

8. a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes? □ Yes  ☑ No

b. If yes, degree program hours will change from:  to:

9. If proposed changes affect other unit(s), are letters of support attached? □ Yes  ☑ No

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UCC/GC, January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:

[Signatures and dates]

Questions regarding this form should be directed to Curricular Services at 845-8201 or sandra-williams@tamu.edu.
Curricular Services – 94/14
Liberal Arts Honors Minor

Program Requirements

Minimum of 18 hours of Liberal Arts Honors courses.

At least 12 hours must be at the 300- and 400-level. Courses must be taken from the college approved list. See the college Honors adviser for this list.

3 hours of a departmental capstone 485, 491, or 497 course in Liberal Arts. See the college Honors adviser for approval.

Courses must come from a minimum of four separate departments in Liberal Arts.

Student must maintain a 3.50 or higher GPA.
Liberal Arts Honors - Minor

- Home >
- Undergraduate Catalog >
- College of Liberal Arts >
- Liberal Arts Honors - Minor

- Overview
- Program Requirements

Minimum of 18 hours of Honors Liberal Arts courses.

At least 12 hours must be at the 300- and 400-level.

3 hours of a capstone 485, 491, or 497 CLLA course. Must be pre-approved by the College Honors Coordinator.

Courses must come from a minimum of four separate CLLA departments or programs.

No grade lower than a B in courses counting toward the minor.

Must maintain a 3.50 or higher GPA.
### Area: Work Not Applied - Met

**Description:** See advisor for acceptable substitutions.

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required Credits</th>
<th>Required Courses</th>
<th>Term</th>
<th>Subject</th>
<th>Course</th>
<th>Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Grade</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td></td>
<td>Courses</td>
<td>not applied</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Total Credits and GPA | 0.000 | .00 |

### Area: Liberal Arts Honors Minor (18.000 credits) - Not Met

**Description:** Minimum is at 300-400 level. Courses must come from a minimum of four separate CLA departments. Must maintain a 3.50 or higher GPA.

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required Credits</th>
<th>Required Courses</th>
<th>Term</th>
<th>Subject</th>
<th>Course</th>
<th>Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Grade</th>
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<tbody>
<tr>
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<td>100 299</td>
<td>Honors Courses</td>
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<td></td>
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<td></td>
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<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td>AND</td>
<td>B.</td>
<td>300 499</td>
<td>Honors Courses</td>
<td>6hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Total Credits and GPA | 0.000 | .00 |

### Area: University Writing Requirement - Not Met

**Met**

<table>
<thead>
<tr>
<th>Writing Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two courses required.</td>
</tr>
<tr>
<td>Only sections of AMTH 305, 340, 415; UGST 491 with the Writing attribute [UWRT] may be used to satisfy this requirement.</td>
</tr>
</tbody>
</table>

| Total Credits and GPA | 0.000 | .00 |

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https://compass-ssb.tamu.edu/pls/PROD/bwckcapp.P_VerifyDispEvalViewOption

11/10/2015
### Area: Int'l & Cult Diversity - Not Met

<table>
<thead>
<tr>
<th>No</th>
<th>Condition</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required Credits</th>
<th>Required Courses</th>
<th>Term</th>
<th>Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Grade</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>A</td>
<td>Int'l &amp; Cultural Diversity 6hr</td>
<td></td>
<td></td>
<td>Select from courses with the International and Cultural Diversity attribute [UICD] (except sections of BUSN 289 with the UWRT attribute).</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Total Credits and GPA</td>
<td>0.000</td>
</tr>
</tbody>
</table>

unofficial evaluation

### Area: Residence Requirement - Not Met

**Description:** A minimum of 36 hours of 300-400 level coursework must be completed at Texas A&M University. 12 hours must be in the major field.

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition</th>
<th>Subject</th>
<th>Low</th>
<th>High</th>
<th>Required Credits</th>
<th>Required Courses</th>
<th>Term</th>
<th>Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Grade</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A</td>
<td>Residence Major 12hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Total Credits and GPA</td>
<td>0.000</td>
</tr>
<tr>
<td>No</td>
<td>AND</td>
<td>B. Residence - 300-499 24hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
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<td></td>
</tr>
</tbody>
</table>

unofficial evaluation

### Area: GPR-Major - Not Met

**Description:** A GPR of 2.00 must be maintained in all major field courses.

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition</th>
<th>Subject</th>
<th>Low</th>
<th>High</th>
<th>Required Credits</th>
<th>Required Courses</th>
<th>Term</th>
<th>Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Grade</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A</td>
<td>Major GPR 31+hrs</td>
<td></td>
<td></td>
<td>Includes ANTH 100-999.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Total Credits and GPA</td>
<td>0.000</td>
</tr>
</tbody>
</table>

unofficial evaluation

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**Back to Display Options**

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https://compass-ssb.tamu.edu/pls/PROD/bwckcapp.P_VerifyDispEvalViewOption

11/10/2015
CHANGE IN CURRICULUM
COLLEGE OF LIBERAL ARTS
DEPARTMENT OF COMMUNICATION
BA IN COMMUNICATION
Texas A&M University
Request for a Change in Curriculum
Undergraduate • Graduate • Professional

1. Program request type: ☑ Undergraduate  □ Graduate  □ First Professional (ex. DVM, ID, MD, etc.)

2. Request change for: ☑ Degree Program  □ Minor  □ Certificate

3. Request submitted by (Department or Program Name):
   Program Designation and Name (e.g., B.A. in History, Minor in History, Certificate in European Union):
   Communication

4. Brief description of change:
   1. Permit COMM courses to fulfill general electives by removing restriction of the application of COMM courses to general electives.
   2. Permit application of up to 6 hours of COMM 485, 489, 491, 497 to rule F. (300-399 requirement) of the COMM degree plan.
   3. Exclude COMM 100-499 from application to the Core Curriculum for COMM majors for KCRA and KLPC.

5. Rationale for change:
   1. COMM has a requirement of a minor, therefore students have significant structure to the courses they take in addition to the Core and the major. Students pursuing certificates in COMM need greater capacity to apply COMM courses to the degree without delaying time to completion.
   2. This change from 3 hours to 5 hours of Directed Study, Special Topics, Research and/or Honors Research expands the options of students who pursue individualized and/or research pathways.
   3. Corrects an omission of a longstanding restriction on the application of major courses in the Core to the Core. This requires that students study beyond their own academic discipline.

6. Use the checkboxes below to make sure that all information is included.
   a. Proposed curriculum attached. ☑ Yes  □ No
   b. Current catalog curriculum with handwritten edits attached. ☑ Yes  □ No
   c. Current Howdy degree evaluation with handwritten edits attached. ☑ Yes  □ No

   Please make sure the attached proposed curriculum, catalog and Howdy degree evaluation match.

7. a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes? □ Yes  ☑ No
   b. If yes, degree program hours will change from: __________ to: __________
   c. If yes, is the Texas Higher Education Coordinating Board form attached? □ Yes  □ No


9. If proposed changes affect other unit(s), are letters of support attached? □ Yes  □ No

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UCC/GC, January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:
J. Kevin Barge, Prof. & Head
Department Head or Program Chair (Type Name & Sign)   Date

Chair, College Review Committee
Date

Chair, GC or UCC
Date

Questions regarding this form should be directed to Curricular Services at 845-8201 or sandra.williams@tamu.edu
Curricular Services – 04/14

Received
Nov 20 2015
Curricular Services
Proposed Curriculum B.A. Communication

The proposed curriculum for the B.A. in Communication is the same as the current curriculum with the exception that

1. COMM courses may be applied to the general elective category.

2. Six hours rather than three hours from any combination of COMM 485, 489, 491, 497 may apply to the major.

3. COMM courses in the Core Curriculum will continue to be excluded from fulfilling Core Curriculum requirements for COMM majors.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 203</td>
<td>Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>or COMM 205</td>
<td>or Communication for Technical Professions</td>
<td></td>
</tr>
<tr>
<td>or COMM 243</td>
<td>or Argumentation and Debate</td>
<td></td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>COMM 210</td>
<td>Group Communication and Discussion</td>
<td></td>
</tr>
<tr>
<td>COMM 215/JOUR 215</td>
<td>Interviewing: Principles and Practice</td>
<td></td>
</tr>
<tr>
<td>COMM 230/JOUR 230</td>
<td>Communication Technology Skills</td>
<td></td>
</tr>
<tr>
<td>COMM 240</td>
<td>Rhetorical Criticism</td>
<td></td>
</tr>
<tr>
<td>COMM 250/JOUR 250</td>
<td>New Media and the Independent Voice</td>
<td></td>
</tr>
<tr>
<td>COMM 301</td>
<td>Rhetoric in Western Thought</td>
<td>3</td>
</tr>
<tr>
<td>COMM 305</td>
<td>Theories of Communication</td>
<td>3</td>
</tr>
<tr>
<td>COMM 308</td>
<td>Research Methods in Communication</td>
<td>3</td>
</tr>
<tr>
<td>COMM 300-level elective</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>COMM 401-COMM 480 elective</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>COMM 100-COMM 499 elective ²</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>ENGL 104</td>
<td>Composition and Rhetoric ³</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 203</td>
<td>Writing about Literature ⁴, ⁵</td>
<td>3</td>
</tr>
<tr>
<td>or ENGL 210</td>
<td>or Technical and Business Writing</td>
<td></td>
</tr>
<tr>
<td>Literature in English ⁵</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>MATH 141</td>
<td>Business Mathematics I</td>
<td>3</td>
</tr>
<tr>
<td>or MATH 166</td>
<td>or Topics in Contemporary Mathematics II</td>
<td></td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MATH 131</td>
<td>Mathematical Concepts—Calculus</td>
<td></td>
</tr>
<tr>
<td>MATH 142</td>
<td>Business Mathematics II</td>
<td></td>
</tr>
<tr>
<td>MATH 151</td>
<td>Engineering Mathematics I</td>
<td></td>
</tr>
<tr>
<td>PHIL 240</td>
<td>Introduction to Logic (or higher)</td>
<td></td>
</tr>
<tr>
<td>American history elective</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>POLS 206</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>POLS 207</td>
<td>State and Local Government</td>
<td>3</td>
</tr>
<tr>
<td>Life and physical sciences elective</td>
<td></td>
<td>9</td>
</tr>
<tr>
<td>Language, philosophy and culture elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Creative arts elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Language, philosophy and culture or Creative arts elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Social and behavioral sciences elective</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>International and cultural diversity ⁷</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Foreign language</td>
<td></td>
<td>14</td>
</tr>
<tr>
<td>Minor ⁸, ⁹</td>
<td></td>
<td>15-18</td>
</tr>
<tr>
<td>General electives ⁰</td>
<td></td>
<td>0-4</td>
</tr>
<tr>
<td>Total Semester Credit Hours</td>
<td></td>
<td>120</td>
</tr>
</tbody>
</table>
1. Should be completed by the end of junior year.
2. **COMM 101** and **COMM 291** are required for incoming freshmen in the First Semester of freshman year.
3. Minimum grade of C required.
4. Course satisfies a writing elective.
5. **ENGL 203** will count toward the Communication requirement or the Literature in English requirement, but not both.
6. COMM course may not be used to fulfill this requirement.
7. International and Cultural Diversity courses may also be used to satisfy any other requirement.
8. Sequences approved by the College of Liberal Arts, except Communication. No more than 9 semester credit hours may be at a lower-division (100 and 200) level. A minor must be declared before a student completes 75 semester credit hours.
9. COMM courses may not be used. Maximum of 9 semester credit hours of any combination of military science and physical activity courses.

Included in graduation requirements are the following stipulations:

1. A minimum of 2.0 GPR
2. Minimum grade of C in each course applied to the major
3. Minimum of 12 hours of upper-level COMM coursework at Texas A&M

**Teaching Certification**

Students desiring certification to teach communication in secondary schools of Texas may either major in communication (College of Liberal Arts) or in another field, but in either case, they must include the following courses in their degree plans:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 203</td>
<td>Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>COMM 210</td>
<td>Group Communication and Discussion</td>
<td>3</td>
</tr>
<tr>
<td>COMM 243</td>
<td>Argumentation and Debate</td>
<td>3</td>
</tr>
<tr>
<td>COMM 301</td>
<td>Rhetoric in Western Thought</td>
<td>3</td>
</tr>
<tr>
<td>COMM 305</td>
<td>Theories of Communication</td>
<td>3</td>
</tr>
<tr>
<td>COMM 315</td>
<td>Interpersonal Communication</td>
<td>3</td>
</tr>
<tr>
<td>COMM 350</td>
<td>Theories of Mediated Communication</td>
<td>3</td>
</tr>
<tr>
<td>COMM 330</td>
<td>Technology and Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>or COMM 340</td>
<td>Communication and Popular Culture</td>
<td></td>
</tr>
<tr>
<td>or COMM 435</td>
<td>Rhetoric of Television and Film</td>
<td></td>
</tr>
<tr>
<td>THAR 407</td>
<td>Performing Literature.</td>
<td>3</td>
</tr>
<tr>
<td>Total Semester Credit Hours</td>
<td>27</td>
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</tr>
</tbody>
</table>

Additional education courses are required. More complete information on the requirements for teacher certification may be found in the College of Education and Human Development section under secondary teacher certification.
Detail Requirements

Information for Degree Evaluation
This is NOT an official evaluation.

Program Evaluation

Limitation Correspondence: No more than 12 hours of correspondence earned through an accredited institution may be used for an undergraduate degree.

Limitation Combination: Maximum combination of 18 hours of 481, 482, 485 and/or 491 courses may be used for an undergraduate degree.

Limitation Only one course from MAT1-141, 166 may be used in this degree program.

Limitation Only 14 hours of KINE 199; AERS 100-499; MLSC 100-499; NVSC 100-499; SOMS 100-499 may be used in this degree program to include hours counted toward Residency.

Limitation Only 3 hours may be used of COMM 484, 485 in this degree program.

Program: BA COMM
Campus: College Station
College: Liberal Arts
Degree: Bachelor of Arts
Level: Undergraduate
Majors: Communication
Departments: Communication

Catalog Term: Fall 2015 - College Station
Evaluation Term: Fall 2015 - College Station
Expected Graduation Date: Fall 2015 - College Station
Request Number: 1
Results as of: Oct 31, 2015
Minors: International Communication
Concentrations: Media Studies

<table>
<thead>
<tr>
<th>Met</th>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required</td>
<td>Used</td>
<td>Required</td>
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<tr>
<td>Total Required:</td>
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<td>120.00</td>
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<tr>
<td>Program GPA:</td>
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<td>.00</td>
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<tr>
<td>Overall GPA:</td>
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<td>2.60</td>
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<tr>
<td>Transfer:</td>
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<td>0.00</td>
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</tbody>
</table>

This is NOT an official evaluation.

Area Major Coursework (33.000 credits) - Not Net:

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required Credits</th>
<th>Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>Lower-Level COMM Rqmt I 3hrs</td>
<td>Select from COMM 203, 205, 243.</td>
<td>Must make a grade of &quot;C&quot; or better.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No  AND</td>
<td>B.</td>
<td>Lower-Level COMM Rqmt II 3hrs</td>
<td>Select from COMM 210, 215, 230, 240, 250.</td>
<td>Must make a grade of &quot;C&quot; or better.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No  AND</td>
<td>C.</td>
<td>COMM 301</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>No  AND</td>
<td>D.</td>
<td>COMM 305</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No  AND</td>
<td>E.</td>
<td>COMM 308</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No  AND</td>
<td>F.</td>
<td>300-Level COMM Rqmt 6hrs</td>
<td>Select from COMM 300-399. Up to 3 hours of COMM 484, 485, 489, 491 and 497 may be used.</td>
<td>Must make a grade of &quot;C&quot; or better.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No  AND</td>
<td>G.</td>
<td>401-480 COMM Rqmt 6hrs</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Up to 6 hours of any combination of
unofficial evaluation

**Area Communication (12.000 credits) - Not Met**

<table>
<thead>
<tr>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low Credits</th>
<th>High Credits</th>
<th>Required Courses</th>
<th>Term Subject</th>
<th>Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Grade Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No AND H.</td>
<td>Communication Elect</td>
<td>6hrs</td>
<td>Select from COMM 100-199 (except COMM 454, 456). Must make a grade of &quot;C&quot; or better.</td>
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</table>

Total Credits and GPA 0.000 .00

unofficial evaluation

**Area Mathematics (6.000 credits) - Not Met**

<table>
<thead>
<tr>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low Credits</th>
<th>High Credits</th>
<th>Required Courses</th>
<th>Term Subject</th>
<th>Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Grade Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No AND B.</td>
<td>Mathematics</td>
<td>Reqmt</td>
<td>3hrs</td>
<td>Select</td>
<td>PATH 141, 166.</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Credits and GPA 0.000 .00

unofficial evaluation

**Area Life and Physical Sciences (9.000 credits) - Not Met**

<table>
<thead>
<tr>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low Credits</th>
<th>High Credits</th>
<th>Required Courses</th>
<th>Term Subject</th>
<th>Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Grade Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No AND A.</td>
<td>Life/Physical Sciences</td>
<td>9hrs</td>
<td>Select 6 hours from any courses with the Life and Physical Sciences attribute [KLP5].</td>
<td></td>
<td></td>
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<td></td>
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</tr>
</tbody>
</table>

Total Credits and GPA 0.000 .00

unofficial evaluation

**Area Foreign Language (14.000 credits) - Not Met**

<table>
<thead>
<tr>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low Credits</th>
<th>High Credits</th>
<th>Required Courses</th>
<th>Term Subject</th>
<th>Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Grade Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No AND A.</td>
<td>Arabic</td>
<td>14hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Credits and GPA 0.000 .00
1. 8 hours. Take ARAB 101 and 102.
2. 6 hours. Take ARAB 201 and 202.

B. Chinese 14hrs
1. 8 hours. Take CHIN 101 and 102.
2. 6 hours. Take CHIN 201 and 202.

C. French 14hrs
1. 8 hours. Take FREN 101 and 102.
2. 3 hours. Select from FREN 201 or 221.
3. 3 hours. Select from FREN 202 or 222.

D. German 14hrs
1. 8 hours. Take GERM 101 and 102.
2. 3 hours. Select from GERM 201 or 221.
3. 3 hours. Select from GERM 202 or 222.

E. Greek 14hrs
1. 8 hours. Take CLAS 101 and 102.
2. 3 hours. Take CLAS 211.
3. 3 hours. Select from CLAS 311 or 312.

F. Italian 14hrs
1. 8 hours. Take ITAL 101 and 102.
2. 6 hours. Take ITAL 201 and 202.

G. Japanese 14hrs
1. 8 hours. Take JAPN 101 and 102.
2. 6 hours. Take JAPN 201 and 202.

H. Latin 14hrs
1. 8 hours. Take CLAS 121 and 122.
2. 6 hours. Take CLAS 221 and 222.

I. Portuguese 14hrs
1. 8 hours. Take PORT 101 and 102.
2. 6 hours. Take PORT 201 and 202.

J. Russian 14hrs
1. 8 hours. Take RUSS 101 and 102.
2. 6 hours. Select from RUSS 201, 202, 221, 222.

K. Spanish 14hrs
1. 4 hours. Take SPAN 101.
2. 4 hours. Select from SPAN 102 or 140.
3. 3 hours. Select from SPAN 201 or 221.
4. 3 hours. Select from SPAN 202, 203 or 222.

Total Credits and GPA 0.000 .00

unofficial evaluation

Area Creative Arts/Lang, Phil, Cult (9.000 credits) - Not Met

Met Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Grade Source
No

A. Lang, Phil, Culture Reqmt 3hrs
Select any course with the Language, Philosophy and Culture attribute [KLC].

B. Creative Arts 3hrs
Select any course with the Creative Arts attribute [KCRA].

C. Cr. Arts /Lang, Phil, Cul 3hrs

(Except Comm 100-499) (Except Comm 100-499)
unofficial evaluation

Area: Social and Behavioral Science (6.000 credits) - Not Met

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Courses</th>
<th>Grade Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A. Social Science 3hrs Select from any course with a [KSOC] attribute (except COMM 100-499).</td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>AND B. Social Science 3hrs Select from any course with a [KSOC] attribute (except COMM 100-499).</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits and GPA 0.000 0.0

unofficial evaluation

Area: Citizenship (12.000 credits) - Not Met

Description: Completion of 4 semesters of Upper-Level ROTC may be substituted for 3 hours of American History and 3 hours of Political Science.

| Met | Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Courses |
|-----|-------------------------------------------------------------------------------------------------------------|--------------|
| No  | A. American History Reqmt 6hrs Select from any course with the [KHIS] attribute.                           |              |
| No  | AND B. Political Science Reqmt 6hrs Take POLS 206 and POLS 207.                                           |              |

Total Credits and GPA 0.000 0.0

unofficial evaluation

Area: General Electives (19.000 credits) - Not Met

| Met | Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Courses |
|-----|-------------------------------------------------------------------------------------------------------------|--------------|
| No  | A. General Electives 19hrs Select any 100-499 course not used elsewhere.                                   |              |

Total Credits and GPA 0.000 0.0

unofficial evaluation

Area: Work Not Applied - Met

Description: See advisor for acceptable substitutions.

| Met | Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Courses |
|-----|-------------------------------------------------------------------------------------------------------------|--------------|
| No  | A. Courses not applied                                                                                     |              |

Total Credits and GPA 0.000 0.0

unofficial evaluation
Detail Requirements

Area Required Minor - Not Met

<table>
<thead>
<tr>
<th>No</th>
<th>Condition Rule Subject</th>
<th>Attribute</th>
<th>Low High Required</th>
<th>Credits</th>
<th>Courses</th>
<th>Term Subject Course</th>
<th>Title Attribute</th>
<th>Credits</th>
<th>Grade Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Required Minor</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>A minor is required for this degree program. You have not declared your minor yet. Please see your advisor to do so.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Credits and GPA 0.000 .00

unofficial evaluation

Area University Writing Requirement - Not Met

<table>
<thead>
<tr>
<th>No</th>
<th>Condition Rule Subject</th>
<th>Attribute</th>
<th>Low High Required</th>
<th>Credits</th>
<th>Courses</th>
<th>Term Subject Course</th>
<th>Title Attribute</th>
<th>Credits</th>
<th>Grade Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Writing Requirement</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Two courses required. Only sections of COMM 407-408, 410-411, 415, 420, 425, 431, 435, 437, 440, 443, 446-447, 449-454, 458, 460, 470-471, 480; AFST 425; FLN 489 with the Writing attribute [UWR] may be used to satisfy this requirement.</td>
<td></td>
<td></td>
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</tr>
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</table>

Total Credits and GPA 0.000 .00

unofficial evaluation

Area Int'l & Cult Diversity - Not Met

<table>
<thead>
<tr>
<th>No</th>
<th>Condition Rule Subject</th>
<th>Attribute</th>
<th>Low High Required</th>
<th>Credits</th>
<th>Courses</th>
<th>Term Subject Course</th>
<th>Title Attribute</th>
<th>Credits</th>
<th>Grade Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Int'l &amp; Cultural Diversity 6hr</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Select from courses with the International and Cultural Diversity attribute [URCTD] (except sections of RUSH 289 with the UWR attribute).</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Credits and GPA 0.000 .00

unofficial evaluation

Area : Residence Requirement - Not Met

Description A minimum of 36 hours of 300-400 level coursework must be completed at Texas A&M University. 12 hours must be in the major field.

<table>
<thead>
<tr>
<th>No</th>
<th>Condition Rule Subject</th>
<th>Attribute</th>
<th>Low High Required</th>
<th>Credits</th>
<th>Courses</th>
<th>Term Subject Course</th>
<th>Title Attribute</th>
<th>Credits</th>
<th>Grade Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Residence - Major 12hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>Residence - 300-499 24hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Credits and GPA 0.000 .00

unofficial evaluation

Area : GPR-Major - Not Met

Description A GPR of 2.00 must be maintained in all major field courses.

<table>
<thead>
<tr>
<th>No</th>
<th>Condition Rule Subject</th>
<th>Attribute</th>
<th>Low High Required</th>
<th>Credits</th>
<th>Courses</th>
<th>Term Subject Course</th>
<th>Title Attribute</th>
<th>Credits</th>
<th>Grade Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Major 30+hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Includes COMM 190-499.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Credits and GPA 0.000 .00
CHANGE IN CURRICULUM

COLLEGE OF LIBERAL ARTS

DEPARTMENT OF COMMUNICATION

BA IN TELECOMMUNICATION MEDIA STUDIES
Texas A&M University
Request for a Change in Curriculum
Undergraduate • Graduate • Professional

1. Program request type:
   □ Undergraduate  □ Graduate  □ First Professional (e.g., DVM, JD, MD, etc.)

2. Request change for:
   □ Degree Program  □ Minor  □ Certificate

3. Request submitted by (Department or Program Name):
   Communication

[Program Designation and Name
(e.g., B.A. in History, Minor in History, Certificate in European Union):
B.A. in Telecommunication Media Studies]

4. Brief description of change:
   1. Permit COMM courses to fulfill general electives by removing restriction of the application of COMM courses to general electives.
   2. Permit application of up to 6 hours of COMM 485 to the TCMS-BA requirement.
   3. Update renumbered courses, withdrawn and omitted courses from Degree Evaluation.
   4. COMM courses in the Core Curriculum will continue to be excluded from fulfilling Core Curriculum requirements for TCMS majors.
   5. Correct spelling of “communication” and “telecommunication.” This is no ‘s’ on the end of either of these words.

5. Rationale for change:
   1. TCMS BA has a requirement of a minor, therefore students have significant structure to the courses they take in addition to the core and the major. Students pursuing certificates in the Department of Communication need greater capacity to apply COMM courses to the degree without delaying time to completion.
   2. This change from 3 hours to 5 hours of Directed Study expands the options of students who pursue individualized and/or research pathways.
   3. A number of courses listed in the Degree Evaluation have been renumbered or no longer exist. They appear to be listed accurately in the Course Catalog. Some courses are omitted from major GPR list in Degree Evaluation. This change corrects the listings.
   4. This is reflected in the catalog copy but not in the degree evaluation.

Use the checkboxes below to make sure that all information is included.

7. a. Proposed curriculum attached.  □ Yes  □ No
   b. Current catalog curriculum with handwritten edits attached.  □ Yes  □ No
   c. Current Howdy degree evaluation with handwritten edits attached.  □ Yes  □ No

   Please make sure the attached proposed curriculum, catalog and Howdy degree evaluation match.

8. a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes?  □ Yes  □ No
   b. If yes, degree program hours will change from: ______ to: ______
   c. If yes, is the Texas Higher Education Coordinating Board form attached?
      http://www.thecb.state.tx.us/index.cfm?objectid=A09F7FA-9A92-4F11-2756AD3BBFF01D60
      □ Yes  □ No

9. If proposed changes affect other unit(s), are letters of support attached?  □ Yes  □ No

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UCC/GC,
January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University
should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:
J. Kevin Barge, Prof. & Head
Department Head or Program Chair (Type Name & Sign) Date

Chair, College Review Committee Date

Dean of College
Date

Chair, GC or UCC
Date

Questions regarding this form should be directed to Curricular Services at 845-8201 or sandra-wiliams@tamu.edu.
Curricular Services — 04/14

RECEIVED
CURRICULAR SERVICES

Nov 20 2015
Proposed Curriculum B.A. Telecommunication Media Studies

The proposed curriculum for the B.A. in Telecommunication Media Studies is the same as the current curriculum with the exception that

1. COMM courses may be applied to the general elective category.

2. Six hours rather than three hours of COMM 485 may apply to the major.

3. COMM courses in the Core Curriculum will continue to be excluded from fulfilling Core Curriculum requirements for COMM majors. This is reflected in the catalog copy but not in the degree evaluation.

4. Renumbered courses will be updated and two courses that no longer exist will be removed from listings. The renumbered classes are accurate in the Course Catalog. Courses omitted from the Degree Evaluation major GPR category will be restored.
## Program Requirements

### Telecommunication Media Studies - BA

- [Home > Undergraduate Catalog > College of Liberal Arts > Communication > Telecommunication Media Studies - BA](#)
- [Program Requirements](#)

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 230/JOUR 230</td>
<td>Communication Technology Skills</td>
</tr>
<tr>
<td>COMM 308</td>
<td>Research Methods in Communication</td>
</tr>
<tr>
<td>COMM 330</td>
<td>Technology and Human Communication</td>
</tr>
<tr>
<td>COMM 350</td>
<td>Theories of Mediated Communication</td>
</tr>
<tr>
<td>COMM 360</td>
<td>Cultural History of the Media</td>
</tr>
<tr>
<td>COMM 401-COMM 480</td>
<td>6</td>
</tr>
<tr>
<td>Telecommunication Electives ¹</td>
<td>12</td>
</tr>
<tr>
<td>Select four of the following:</td>
<td></td>
</tr>
<tr>
<td>COMM 101-COMM 499</td>
<td>Programming I</td>
</tr>
<tr>
<td>CSCE 110</td>
<td>Structured Programming in C</td>
</tr>
<tr>
<td>ENGL 251/FILM 251</td>
<td>Introduction to Film Analysis</td>
</tr>
<tr>
<td>FILM 251/ENGL 251</td>
<td>Introduction to Film Analysis</td>
</tr>
<tr>
<td>ISYS 250</td>
<td>Business Programming Logic and Design</td>
</tr>
<tr>
<td>ISYS 310</td>
<td>Network Communications and Infrastructure</td>
</tr>
<tr>
<td>ISYS 315</td>
<td>Database Programming</td>
</tr>
<tr>
<td>ISYS 325</td>
<td>Business Object Oriented Programming with Java</td>
</tr>
<tr>
<td>ISYS 425</td>
<td>Complex Business Application Design</td>
</tr>
<tr>
<td>JOUR 102</td>
<td>American Mass Media</td>
</tr>
<tr>
<td>JOUR 301/COMM 397</td>
<td>Mass Communication, Law and Society</td>
</tr>
<tr>
<td>POLS 302</td>
<td>The Mass Media and Politics</td>
</tr>
<tr>
<td>POLS 313</td>
<td>Public Opinion</td>
</tr>
<tr>
<td>TCMG 274</td>
<td>Distance Networking for Training and Development</td>
</tr>
<tr>
<td>WGST 407/COMM 407</td>
<td>Women, Minorities and the Mass Media</td>
</tr>
</tbody>
</table>

### College and University Requirements

<p>| ENGL 104                            | Composition and Rhetoric | 3 |
| Select one of the following:         | 3 |
| ENGL 203                            | Writing about Literature ² | |
| ENGL 210                            | Technical and Business Writing | |
| COMM 203                            | Public Speaking | |
| COMM 205                            | Communication for Technical Professions | |
| COMM 243                            | Argumentation and Debate | |
| Literature in English ¹              | 6 |
| Foreign language                    | 14 |</p>
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 141</td>
<td>Business Mathematics I</td>
<td>3</td>
</tr>
<tr>
<td>or MATH 166</td>
<td>or Topics in Contemporary Mathematics II</td>
<td></td>
</tr>
<tr>
<td>MATH 131</td>
<td>Mathematical Concepts—Calculus</td>
<td></td>
</tr>
<tr>
<td>MATH 142</td>
<td>Business Mathematics II</td>
<td></td>
</tr>
<tr>
<td>MATH 151</td>
<td>Engineering Mathematics I</td>
<td></td>
</tr>
<tr>
<td>PHIL 240</td>
<td>Introduction to Logic (or higher)</td>
<td></td>
</tr>
<tr>
<td>Life and physical sciences elective</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Language, philosophy and culture elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Creative arts elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Language, philosophy and culture or creative arts elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ECON 202</td>
<td>Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>Social and behavioral sciences elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>American history elective</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>POLS 206</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>POLS 207</td>
<td>State and Local Government</td>
<td>3</td>
</tr>
<tr>
<td>International and cultural diversity</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Minor 5</td>
<td>15-18</td>
<td></td>
</tr>
<tr>
<td>General Electives</td>
<td>0-4</td>
<td></td>
</tr>
<tr>
<td>Total Semester Credit Hours</td>
<td>120</td>
<td></td>
</tr>
</tbody>
</table>

1 COMM 203 and COMM 243 cannot be taken as electives. Courses in the Core Requirements not selected to meet those requirements may be selected as electives. At least 6 semester credit hours must be chosen from COMM Writing Intensive courses.

2 ENGL 203 will count toward the Communication requirement or the Literature in English requirement, but not both.

3 COMM course may not be used to fulfill this requirement.

4 Courses may also be used to satisfy any other requirement.

5 Sequences approved by the College of Liberal Arts, except Communications. No more than 9 semester credit hours may be at a lower-division (100 and 200) level. A minor must be declared before a student completes 75 semester credit hours. Minimum grade of C is required.

6 Maximum of 9 semester credit hours of any combination of military science and physical activity courses.

Students take 21 credit hours of the required program core courses and 12 credit hours of telecommunication elective courses for a total of 33 credit hours. At least 12 credits must be at the upper-division level. At least 12 credits must be taken in residence at Texas A&M University. Minimum grade of C in each course. No more than 3 credit hours of COMM 484; no more than 3 credit hours of COMM 485.
Detail Requirements

Information for Degree Evaluation

This is NOT an official evaluation.

Program Evaluation

Limitation Correspondence: No more than 12 hours of correspondence earned through an accredited institution may be used for an undergraduate degree.

Limitation Combination: Maximum combination of 18 hours of 481, 482, 485 and/or 491 courses may be used for an undergraduate degree.

Limitation Only one course from MATH 141, 166 may be used in this degree program.

Limitation Only 14 hours of KINE 199; AERS 100-499; MLS 100-499; NVSC 100-499; SOMS 100-499 may be used in this degree program to include hours counted toward residency.

Program: BA TCMS
Campus: College Station
College: Liberal Arts
Degree: Bachelor of Arts
Level: Undergraduate
Majors: Telecommunication MediaStudies
Departments: Communication

Catalog Term: Fall 2015 - College Station
Evaluation Term: Fall 2015 - College Station
Expected Graduation Date: Request Number: 2
Results as of: Oct 31, 2015

Concentrations:

<table>
<thead>
<tr>
<th>Met Credits</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required</td>
<td>Used</td>
</tr>
<tr>
<td>Total Required</td>
<td>No</td>
</tr>
<tr>
<td>Program GPA</td>
<td>Yes</td>
</tr>
<tr>
<td>Overall GPA</td>
<td>No</td>
</tr>
<tr>
<td>Other Course Information</td>
<td>Transfer :</td>
</tr>
</tbody>
</table>

This is NOT an official evaluation.

Area Major Coursework (33.000 credits) - Not Met:

<table>
<thead>
<tr>
<th>Met Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required</th>
<th>Required</th>
<th>Term Subject Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Grade</th>
<th>Source</th>
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</thead>
<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>COMM 230</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No AND</td>
<td>B.</td>
<td>COMM 330</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>No AND</td>
<td>C.</td>
<td>COMM 308</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>No AND</td>
<td>D.</td>
<td>COMM 350</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No AND</td>
<td>E.</td>
<td>COMM 360</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No AND</td>
<td>F.</td>
<td>Telecom Rqmt 6hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Take 6 hours of COMM 401-480. Must make a grade of &quot;C&quot; or better.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No AND</td>
<td>G.</td>
<td>Telecom Elect 12hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Select from COMM 101-202, 204-242, 244-499; CSCE 110, 206; ENGL 114; ENGL 251; FILM 251; ISYS 250, 303, 313, 322; JOUR 102, 305; POLS 303, 313; WGST 407. Must make a grade of &quot;C&quot; or better.</td>
<td></td>
<td></td>
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</table>

Total Credits and GPA: 0.000 .00
unofficial evaluation

**Area Communication (12.000 credits) - Not Met**

<table>
<thead>
<tr>
<th>No</th>
<th>Met Condition</th>
<th>Rule Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required Credits</th>
<th>Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A. ENGL 104</td>
<td>English</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>B. Communication</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>C. Literature Requirement</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Must have a grade of 'C' or better.
- Select from ENGL 201, 210; COMM 203, 205, 243.

Total Credits and GPA 0.000 0.00

unofficial evaluation

**Area Mathematics (6.000 credits) - Not Met**

<table>
<thead>
<tr>
<th>No</th>
<th>Met Condition</th>
<th>Rule Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required Credits</th>
<th>Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A. Mathematics</td>
<td>Mathematics</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>B. Math/Logic</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Select from MATH 141, 166.
- Select from MATH 131, 142, 151; PHIL 240; or higher level MATH.

Total Credits and GPA 0.000 0.00

unofficial evaluation

**Area Life and Physical Sciences (9.300 credits) - Not Met**

<table>
<thead>
<tr>
<th>No</th>
<th>Met Condition</th>
<th>Rule Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required Credits</th>
<th>Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A. Life/Physical Sciences</td>
<td>Life/Physical Sciences</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Select 9 hours from any courses with the Life and Physical Sciences attribute (KLPS).

Total Credits and GPA 0.000 0.00

unofficial evaluation

**Area Foreign Language (14.000 credits) - Not Met**

<table>
<thead>
<tr>
<th>No</th>
<th>Met Condition</th>
<th>Rule Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required Credits</th>
<th>Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A. Arabic 14hrs</td>
<td>Arabic</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>B. Chinese 14hrs</td>
<td>Chinese</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- 1. 8 hours. Take ARAB 101 and 102.
- 2. 6 hours. Take ARAB 201 and 202.

Total Credits and GPA 0.000 0.00
1. 8 hours. Take CHIN 101 and 102.
2. 6 hours. Take CHIN 201 and 202.

No OR C. French 14hrs

1. 8 hours. Take FRE 101 and 102.
2. 3 hours. Select from FRE 201 or 221.
3. 3 hours. Select from FRE 202 or 222.

No OR D. German 14hrs

1. 8 hours. Take GERM 101 and 102.
2. 3 hours. Select from GERM 201 or 221.
3. 3 hours. Select from GERM 202 or 222.

No OR E. Greek 14hrs

1. 8 hours. Take CLAS 101 and 102.
2. 3 hours. Take CLAS 211.
3. 3 hours. Select from CLAS 311 or 312.

No OR F. Italian 14hrs

1. 8 hours. Take ITAL 101 and 102.
2. 6 hours. Take ITAL 201 and 202.

No OR G. Japanese 14hrs

1. 8 hours. Take JAPN 101 and 102.
2. 6 hours. Take JAPN 201 and 202.

No OR H. Latin 14hrs

1. 8 hours. Take CLAS 121 and 122.
2. 6 hours. Take CLAS 221 and 222.

No OR I. Portuguese 14hrs

1. 8 hours. Take PORT 101 and 102.
2. 6 hours. Take PORT 201 and 202.

No OR J. Russian 14hrs

1. 8 hours. Take RUSS 101 and 102.
2. 6 hours. Select from RUSS 201, 202, 221, 222.

No OR K. Spanish 14hrs

1. 4 hours. Take SPAN 101.
2. 4 hours. Select from SPAN 102 or 140.
3. 3 hours. Select from SPAN 201 or 221.
4. 3 hours. Select from SPAN 202, 203 or 222.

Total Credits and GPA 0.000 .00

unofficial evaluation

Area Creative Arts/Lang, Phil, Cult (9.000 credits ) - Not Met

Met Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Grade Source Courses

No A. Lang, Phil, Culture Rqmt 3hrs
 Select any course with the Language, Philosophy and Culture attribute [K LPC].

(except COMM 100 - 499)

No AND B. Creative Arts 3hrs
 Select any course with the Creative Arts attribute [K C RA].

(except COMM 100 - 499)

No AND C. Cr. Arts /Lang, Phil, Culf 3hrs
 Select from any course with the Create Arts [K C RA] or Language, Philosophy, and Culture [K LPC] attribute.

(except COMM 100 - 499)

Total Credits and GPA 0.000 .00
unofficial evaluation

Area: Social and Behavioral Science (6.000 credits) - Not Met

Met | Condition Rule | Subject Attribute | Low High | Required | Term Subject Course Title | Attribute | Credits | Courses | Grade | Source
---|---------------|-------------------|---------|----------|---------------------------|-----------|---------|---------|-------|-------
No | AND | A. ECON 202       |          |          | Social Science             | 3hrs      |          |         |       |       |
No | AND | B. Social Science |          |          | Select from any course with (except COMM 100-499). |          |         |         |       |       |

Total Credits and GPA 0.000 .00

unofficial evaluation

Area: Citizenship (12.000 credits) - Not Met

Description Completion of 4 semesters of Upper-Level ROTC may be substituted for 3 hours of American History and 3 hours of Political Science.

Met | Condition Rule | Subject Attribute | Low High | Required | Term Subject Course Title | Attribute | Credits | Courses | Grade | Source
---|---------------|-------------------|---------|----------|---------------------------|-----------|---------|---------|-------|-------
No | AND | A. American History | 9hrs    |          | Select from any course with the [KHS] attribute. |          |         |         |       |       |
No | AND | B. Political Science | 6hrs    |          | Take POLS 206 and POLS 207. |          |         |         |       |       |

Total Credits and GPA 0.000 .00

unofficial evaluation

Area: General Electives (19.000 credits) - Not Met

Met | Condition Rule | Subject Attribute | Low High | Required | Term Subject Course Title | Attribute | Credits | Courses | Grade | Source
---|---------------|-------------------|---------|----------|---------------------------|-----------|---------|---------|-------|-------
No | AND | A. General Electives | 19hrs   |          | Select any 100-499 course not used elsewhere. |          |         |         |       |       |

It appears that Degree Evaluation already permits application of COMM courses to General Electives.

unofficial evaluation

Area: Work Not Applied - Met

Description See advisor for acceptable substitutions.

Met | Condition Rule | Subject Attribute | Low High | Required | Term Subject Course Title | Attribute | Credits | Courses | Grade | Source
---|---------------|-------------------|---------|----------|---------------------------|-----------|---------|---------|-------|-------
No | AND | A. Courses not applied |          |          |          |           |         |         |         |       |       |

Total Credits and GPA 0.000 .00

unofficial evaluation

Area: Required Minor - Not Met

Met | Condition Rule | Subject Attribute | Low High | Required | Term Subject Course Title | Attribute | Credits | Courses | Grade | Source
---|---------------|-------------------|---------|----------|---------------------------|-----------|---------|---------|-------|-------
No | AND | A. Required Minor |          |          |          |           |         |         |         |       |       |

unofficial evaluation
A minor is required for this degree program. You have not declared your minor yet. Please see your advisor to do so.

unofficial evaluation

<table>
<thead>
<tr>
<th>Area</th>
<th>University Writing Requirement - Not Met</th>
</tr>
</thead>
<tbody>
<tr>
<td>Met</td>
<td>Condition Rule Subject Attribute Low High Required Credits Courses</td>
</tr>
<tr>
<td>No</td>
<td>A. Writing Requirement</td>
</tr>
<tr>
<td></td>
<td>Two courses required. Only sections of COMM 401-480 with the Writing attribute [UWRT] may be used to satisfy this requirement.</td>
</tr>
</tbody>
</table>

unofficial evaluation

<table>
<thead>
<tr>
<th>Area</th>
<th>Int'l &amp; Cult Diversity - Not Met</th>
</tr>
</thead>
<tbody>
<tr>
<td>Met</td>
<td>Condition Rule Subject Attribute Low High Required Credits Courses</td>
</tr>
<tr>
<td>No</td>
<td>A. Int'l &amp; Cultural Diversity 6hr</td>
</tr>
<tr>
<td></td>
<td>Select from courses with the International and Cultural Diversity attribute [UICD] (except sections of BUSH 289 with the UWRT attribute).</td>
</tr>
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unofficial evaluation

<table>
<thead>
<tr>
<th>Area</th>
<th>Residence Requirement - Not Met</th>
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<tbody>
<tr>
<td>Met</td>
<td>Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Grade Source Courses</td>
</tr>
<tr>
<td>No</td>
<td>A. Residence - Major 12hrs</td>
</tr>
<tr>
<td>No AND B. Residence - 300-499 24hrs</td>
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</tr>
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</table>

unofficial evaluation

<table>
<thead>
<tr>
<th>Area</th>
<th>GPR-Major - Not Met</th>
</tr>
</thead>
<tbody>
<tr>
<td>Met</td>
<td>Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Grade Source Courses</td>
</tr>
<tr>
<td></td>
<td>A. Major GPR 33+hrs</td>
</tr>
<tr>
<td></td>
<td>Includes COMM 101-202, 204-242, 244-499; CSCE 110, 202, 296; ENGL 251; FILM 201; JOUR 102, 301; ISYS 250, 367, 392, 393, 452; JOUR 102, 301; POLS 302, 313.</td>
</tr>
</tbody>
</table>

unofficial evaluation
CHANGE IN CURRICULUM
COLLEGE OF LIBERAL ARTS
DEPARTMENT OF COMMUNICATION
BS IN TELECOMMUNICATION MEDIA STUDIES
Texas A&M University
Request for a Change in Curriculum
Undergraduate • Graduate • Professional

1. Program request type: ☑ Undergraduate ☐ Graduate ☐ First Professional (ex., DVM, JD, MD, etc.)

2. Request change for: ☑ Degree Program ☐ Minor ☐ Certificate

3. Request submitted by (Department or Program Name): Communication

4. Program Designation and Name: (e.g., B.A. in History, Minor in History, Certificate in European Union): B.S. in Telecommunication Media Studies

5. Brief description of change:
   1. Permit COMM courses to fulfill general electives by removing restriction of the application of COMM courses to general electives.
   2. Permit application of up to 6 hours of COMM 485 to the TCMS-BS requirement
   3. Update renamed courses, withdrawn and omitted courses from Degree Evaluation
   4. COMM courses in the Core Curriculum will continue to be excluded from fulfilling Core Curriculum requirements for TCMS majors.
   5. Move "Literature in English" requirement in Catalog Copy to "communication core" consistent with Degree Evaluation
   6. Correct spelling of "communication" and "telecommunication." There is no 'e' on the end of either of these words.

6. Rationale for change:
   1. TCMS BS has a requirement of a minor, therefore students have significant structure to the courses they take in addition to the core and the major. Students pursuing certificates in the Department of Communication need greater capacity to apply COMM courses to the degree without delaying time to completion.
   2. This change from 3 hours to 5 hours of Directed Study expands the options of students who pursue individualized and/or research pathways.
   3. A number of courses listed in the Degree Evaluation have been renumbered or no longer exist. They appear to be listed accurately in the Course Catalog. Some courses are omitted from major GPR list in Degree Evaluation. This change corrects the listings.
   4. This is reflected in the catalog copy but not in the degree evaluation.
   5. This change brings the catalog copy in line with the degree evaluation. It is conceptually consistent, too.

Use the checkboxes below to make sure that all information is included.

7. a. Proposed curriculum attached. ☑ Yes ☐ No
   b. Current catalog curricula with handwritten edits attached. ☑ Yes ☐ No
   c. Current Howdy degree evaluation with handwritten edits attached. ☑ Yes ☐ No

Please make sure the attached proposed curriculum, catalog and Howdy degree evaluation match.

8. a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes? ☐ Yes ☑ No
   b. If yes, degree program hours will change from: _________ to: _________
   c. If yes, is the Texas Higher Education Coordinating Board form attached? ☐ Yes ☑ No

   http://www.thecb.state.tx.us/index.cfm?objectid=A0F9F7FA-9A92-4F11-2756AD3BBFFD01D60

9. If proposed changes affect other unit(s), are letters of support attached? ☐ Yes ☑ No

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UCGC, January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:

J. Kevin Barge, Professor & Head

Department Head or Program Chair, Type Name & Sign Date

Chair, College Review Committee Date

Dear of College Date

Chair, GC or UCC Date

Questions regarding this form should be directed to Curricular Services at 845-8201 or sandra-willi@tamu.edu.
Curricular Services – 04/14

RECEIVED CURRICULAR SERVICES
NOV 20 2015
Proposed Curriculum B.S. Telecommunication Media Studies

The proposed curriculum for the B.S. in Telecommunication Media Studies is the same as the current curriculum with the exception that

1. COMM courses may be applied to the general elective category.

2. Six hours rather than three hours of COMM 485 may apply to the major.

3. COMM courses in the Core Curriculum will continue to be excluded from fulfilling Core Curriculum requirements for COMM majors. This is reflected in the catalog copy but not in the degree evaluation.

4. Renumbered courses will be updated and two courses that no longer exist will be removed from listings. The renumbered classes are accurate in the Course Catalog. Three courses omitted from the Degree Evaluation major GPR category will be restored.
## Program Requirements  Telecommunication Media Studies - BS

- Home > Undergraduate Catalog > College of Liberal Arts > Communication > Telecommunication Media Studies – BS  Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 230/JOUR 230</td>
<td>Communication Technology Skills</td>
<td>3</td>
</tr>
<tr>
<td>COMM 307/JOUR 201</td>
<td>Mass Communication, Law, and Society</td>
<td>3</td>
</tr>
<tr>
<td>or COMM 354</td>
<td>or Political Economy of Telecommunication</td>
<td></td>
</tr>
<tr>
<td>COMM 330</td>
<td>Technology and Human Communication</td>
<td>3</td>
</tr>
<tr>
<td>COMM 345</td>
<td>Media Industries</td>
<td>3</td>
</tr>
<tr>
<td>COMM 350</td>
<td>Theories of Mediated Communication</td>
<td>3</td>
</tr>
<tr>
<td>COMM 375</td>
<td>Media Audiences</td>
<td>3</td>
</tr>
<tr>
<td>COMM 400-COMM 480</td>
<td></td>
<td>6</td>
</tr>
</tbody>
</table>

**Telecommunications Electives**

Select three of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 100-COMM 499</td>
<td>Programming I</td>
<td>9</td>
</tr>
<tr>
<td>CSCE 110</td>
<td>Structured Programming in C</td>
<td></td>
</tr>
<tr>
<td>CSCE 206</td>
<td>Business Programming Logic and Design</td>
<td></td>
</tr>
<tr>
<td>ISYS 250</td>
<td>Network Communications and Infrastructure</td>
<td></td>
</tr>
<tr>
<td>ISYS 310</td>
<td>Database Programming</td>
<td></td>
</tr>
<tr>
<td>ISYS 325</td>
<td>Business Object Oriented Programming with Java</td>
<td></td>
</tr>
<tr>
<td>ISYS 425</td>
<td>Complex Business Application Design</td>
<td></td>
</tr>
<tr>
<td>JOUR 102</td>
<td>American Mass Media</td>
<td></td>
</tr>
<tr>
<td>JOUR 301/COMM 307</td>
<td>Mass Communication, Law and Society</td>
<td></td>
</tr>
<tr>
<td>MGMT 209</td>
<td>Business, Government and Society</td>
<td></td>
</tr>
<tr>
<td>MGMT 309</td>
<td>Survey of Management</td>
<td></td>
</tr>
<tr>
<td>TCMG 274</td>
<td>Distance Networking for Training and Development</td>
<td></td>
</tr>
<tr>
<td>WGST 407/COMM 407</td>
<td>Women, Minorities and the Mass Media</td>
<td></td>
</tr>
</tbody>
</table>

**College and University Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 104</td>
<td>Composition and Rhetoric</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 203</td>
<td>Writing about Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 210</td>
<td>Technical and Business Writing</td>
<td></td>
</tr>
<tr>
<td>COMM 203</td>
<td>Public Speaking</td>
<td></td>
</tr>
<tr>
<td>COMM 205</td>
<td>Communication for Technical Professions</td>
<td></td>
</tr>
<tr>
<td>COMM 243</td>
<td>Argumentation and Debate</td>
<td></td>
</tr>
<tr>
<td>COMM 308</td>
<td>Research Methods in Communication</td>
<td></td>
</tr>
<tr>
<td>ISYS 210</td>
<td>Fundamentals of Information Systems</td>
<td></td>
</tr>
<tr>
<td>STAT 303</td>
<td>Statistical Methods</td>
<td></td>
</tr>
<tr>
<td>ISYS 250</td>
<td>Business Programming Logic and Design</td>
<td></td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credit Hours</td>
</tr>
<tr>
<td>------------</td>
<td>---------------------------------------</td>
<td>--------------</td>
</tr>
<tr>
<td>SOCI 220</td>
<td>or Methods of Social Research</td>
<td></td>
</tr>
<tr>
<td>or STAT 307</td>
<td>or Sample Survey Techniques</td>
<td></td>
</tr>
<tr>
<td>MATH 141</td>
<td>Business Mathematics I</td>
<td>3</td>
</tr>
<tr>
<td>or MATH 166</td>
<td>or Topics in Contemporary Mathematics II</td>
<td></td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MATH 131</td>
<td>Mathematical Concepts—Calculus</td>
<td></td>
</tr>
<tr>
<td>MATH 142</td>
<td>Business Mathematics II</td>
<td></td>
</tr>
<tr>
<td>MATH 151</td>
<td>Engineering Mathematics I</td>
<td></td>
</tr>
<tr>
<td>PHIL 240</td>
<td>Introduction to Logic (or higher)</td>
<td></td>
</tr>
<tr>
<td>Life and physical sciences elective</td>
<td></td>
<td>9</td>
</tr>
<tr>
<td>Language, philosophy and culture elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Creative arts elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Language, philosophy and culture or creative arts elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Literature in English</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>ECON 202</td>
<td>Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>Social and behavioral sciences electives</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>American history elective</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>POLS 206</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>POLS 207</td>
<td>State and Local Government</td>
<td>3</td>
</tr>
<tr>
<td>International and cultural diversity</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Minor 5</td>
<td></td>
<td>15-18</td>
</tr>
<tr>
<td>General Electives</td>
<td>a minimum of 60 in two fields</td>
<td>0-6</td>
</tr>
<tr>
<td>Total Semester Credit Hours</td>
<td></td>
<td>120</td>
</tr>
</tbody>
</table>

1 COMM 203 and COMM 204 cannot be taken as electives. Courses in the Core Requirements not selected to meet those requirements may be selected as electives.

2 ENGL 203 will count toward the Communication requirement or the Literature in English requirement, but not both.

3 COMM course may not be used to fulfill this requirement.

4 Courses may also be used to satisfy any other requirement.

5 Courses approved by the College of Liberal Arts, except Communications. No more than 9 semester credit hours may be at a lower-division (100 and 200) level. A minor must be declared before a student completes 75 semester credit hours. Minimum grade of C is required.

6 Maximum of 9 semester credit hours of any combination of military science and physical activity courses.

Students take 24 credit hours of the required program core courses and 9-10 credit hours of telecommunication media studies elective courses for a total of 33 credit hours. At least 12 credits must be at the upper-division level. At least 12 credits must be taken in residence at Texas A&M University. Minimum grade of C in each course. No more than 3 credit hours of COMM 484; no more than 3 credit hours of COMM 485.
# Detail Requirements

## Information for Degree Evaluation

This is NOT an official evaluation.

## Program Evaluation

**Limitation** Correspondence: No more than 12 hours of correspondence earned through an accredited institution may be used for an undergraduate degree.

**Limitation** Combination: Maximum combination of 18 hours of 481, 482, 485 and/or 491 courses may be used for an undergraduate degree.

**Limitation** Only one course from MATH 141, 156 may be used in this degree program.

**Limitation** Only 14 hours of KINE 199; AERS 100-499; MLSC 100-499; NVSC 100-499; SOMS 100-499 may be used in this degree program to include hours counted toward Residency.

<table>
<thead>
<tr>
<th>Program :</th>
<th>BS TCMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Campus :</td>
<td>College Station</td>
</tr>
<tr>
<td>College :</td>
<td>Liberal Arts</td>
</tr>
<tr>
<td>Degree :</td>
<td>Bachelor of Science</td>
</tr>
<tr>
<td>Level :</td>
<td>Undergraduate</td>
</tr>
<tr>
<td>Majors :</td>
<td>Telecommunication Media/Studies</td>
</tr>
<tr>
<td>Departments :</td>
<td>Communication</td>
</tr>
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<table>
<thead>
<tr>
<th>Catalog Term</th>
<th>Fall 2015 - College Station</th>
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<tbody>
<tr>
<td>Evaluation Term</td>
<td>Fall 2015 - College Station</td>
</tr>
<tr>
<td>Expected Graduation Date</td>
<td>Request Number : 3</td>
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<tr>
<td>Results as of</td>
<td>Oct 31, 2015</td>
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### Met Credits Courses

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<tr>
<th>Total Required</th>
<th>Required</th>
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<th>Courses</th>
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<tr>
<td></td>
<td>No</td>
<td>120.00</td>
<td>0.00</td>
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<table>
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<tr>
<th>Program GPA</th>
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</tr>
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<tbody>
<tr>
<td>Overall GPA</td>
<td>No</td>
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</table>

**Other Course Information**

Transfer : 0.000 0

This is NOT an official evaluation.

## Area Major Coursework (33.000 credits) - Not Met:

<table>
<thead>
<tr>
<th>Met Condition</th>
<th>Rule Subject</th>
<th>Attribute Low High</th>
<th>Required</th>
<th>Term Subject Course Title Attribute Credits Grade Source Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A. COMM 230</td>
<td></td>
<td>Must make a grade of &quot;C&quot; or better.</td>
<td></td>
</tr>
<tr>
<td>No AND</td>
<td>B. COMM 330</td>
<td></td>
<td>Must make a grade of &quot;C&quot; or better.</td>
<td></td>
</tr>
<tr>
<td>No AND</td>
<td>C. COMM 350</td>
<td></td>
<td>Must make a grade of &quot;C&quot; or better.</td>
<td></td>
</tr>
<tr>
<td>No AND</td>
<td>D. COMM 375</td>
<td></td>
<td>Must make a grade of &quot;C&quot; or better.</td>
<td></td>
</tr>
<tr>
<td>No AND</td>
<td>E. COMM 345</td>
<td></td>
<td>Must make a grade of &quot;C&quot; or better.</td>
<td></td>
</tr>
<tr>
<td>No AND</td>
<td>F. Telecom Req 13hrs</td>
<td></td>
<td>Must make a grade of &quot;C&quot; or better. Select from COMM 307, 354.</td>
<td></td>
</tr>
<tr>
<td>No AND</td>
<td>G. Telecom Req 16hrs</td>
<td></td>
<td>Take 6 hours of COMM 400-489. Must make a grade of &quot;C&quot; or better.</td>
<td></td>
</tr>
<tr>
<td>No AND</td>
<td>H. Telecom Elect 9hrs</td>
<td></td>
<td>Select from COMM 101-202, 204-242, 244-499; CSCE 110, 206; CENG 241; ECE 250, 300-320, 423; JOUR 102, 301; MGNT 209, 309; WSIT 407. 310, 315, 325, 425</td>
<td></td>
</tr>
</tbody>
</table>

Must make a grade of "C" or better.
<table>
<thead>
<tr>
<th>Area</th>
<th>Quantitative Skills (12.000 credits) - Not Met</th>
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</thead>
<tbody>
<tr>
<td>Met</td>
<td>Condition</td>
</tr>
<tr>
<td>No</td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>AND</td>
</tr>
<tr>
<td>No</td>
<td>AND</td>
</tr>
<tr>
<td>No</td>
<td>AND</td>
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unofficial evaluation

<table>
<thead>
<tr>
<th>Area</th>
<th>Communication (12.000 credits) - Not Met</th>
</tr>
</thead>
<tbody>
<tr>
<td>Met</td>
<td>Condition</td>
</tr>
<tr>
<td>No</td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>AND</td>
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unofficial evaluation

<table>
<thead>
<tr>
<th>Area</th>
<th>Mathematics (6.000 credits) - Not Met</th>
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</thead>
<tbody>
<tr>
<td>Met</td>
<td>Condition</td>
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<td></td>
</tr>
<tr>
<td>No</td>
<td>AND</td>
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</table>

unofficial evaluation

<table>
<thead>
<tr>
<th>Area</th>
<th>Life and Physical Sciences (9.000 credits) - Not Met</th>
</tr>
</thead>
<tbody>
<tr>
<td>Met</td>
<td>Condition</td>
</tr>
</tbody>
</table>

unofficial evaluation
unofficial evaluation

**Area Creative Arts/Lang, Phil, Cult (9.000 credits) - Not Met**

<table>
<thead>
<tr>
<th>No</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required Credits</th>
<th>Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Lang, Phil, Culture</td>
<td>Rqmt 3hrs</td>
<td></td>
<td></td>
<td>Select any course with the Language, Philosophy and Culture attribute (KLPC).</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>Creative Arts</td>
<td>3hrs</td>
<td></td>
<td></td>
<td>Select any course with the Creative Arts attribute (KCRA).</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>Cr. Arts/Lang, Phil, Cult</td>
<td>3hrs</td>
<td></td>
<td></td>
<td>Select from any course with the Create Arts [KCRA] or Language, Philosophy, and Culture [KLPC] attribute.</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits and GPA 0.000 .00

unofficial evaluation

**Area Social and Behavioral Science (6.000 credits) - Not Met**

<table>
<thead>
<tr>
<th>No</th>
<th>Subject</th>
<th>Required Credits</th>
<th>Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>ECON 202</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>Social Science 3hrs</td>
<td></td>
<td>Select from any course with a [KSOC] attribute. (except COMM 100-499).</td>
</tr>
</tbody>
</table>

Total Credits and GPA 0.000 .00

unofficial evaluation

**Area Citizenship (12.000 credits) - Not Met**

*Description* Completion of 4 semesters of Upper-Level ROTC may be substituted for 3 hours of American History and 3 hours of Political Science.

<table>
<thead>
<tr>
<th>No</th>
<th>Subject</th>
<th>Required Credits</th>
<th>Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>American History Rqmt 6hrs</td>
<td></td>
<td>Select from any course with the [KHIS] attribute.</td>
</tr>
<tr>
<td>B</td>
<td>Political Science Rqmt 6hrs</td>
<td></td>
<td>Take FOLS 206 and FOLS 207.</td>
</tr>
</tbody>
</table>

Total Credits and GPA 0.000 .00

unofficial evaluation

**Area General Electives (21.000 credits) - Not Met**

<table>
<thead>
<tr>
<th>No</th>
<th>Subject</th>
<th>Required Credits</th>
<th>Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>General Electives 21hrs</td>
<td></td>
<td>It appears that Degree Evaluation already permits application of COMM courses to General Electives.</td>
</tr>
</tbody>
</table>

3 of 5

10/31/15 10:07 PM
unofficial evaluation

**Area: Work Not Applied - Met**

**Description:** See advisor for acceptable substitutions.

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition Rule Subject Attribute Low High Required Term Subject Course Title Attribute Credits Grade Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A. Courses not applied</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
</table>

Total Credits and GPA 0.000 0.00

unofficial evaluation

**Area: Required Minor - Not Met**

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition Rule Subject Attribute Low High Required Term Subject Course Title Attribute Credits Grade Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A. Required Minor</td>
</tr>
</tbody>
</table>

A minor is required for this degree program. You have not declared your minor yet. Please see your advisor to do so.

<table>
<thead>
<tr>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
</table>

Total Credits and GPA 0.000 0.00

unofficial evaluation

**Area: University Writing Requirement - Not Met**

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition Rule Subject Attribute Low High Required Term Subject Course Title Attribute Credits Grade Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A. Writing Requirement</td>
</tr>
</tbody>
</table>

Two courses required. Only sections of COMM 400-480 with the Writing attribute (UWRT) may be used to satisfy this requirement.

<table>
<thead>
<tr>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
</table>

Total Credits and GPA 0.000 0.00

unofficial evaluation

**Area: Int'l & Cult Diversity - Not Met**

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition Rule Subject Attribute Low High Required Term Subject Course Title Attribute Credits Grade Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A. Int'l &amp; Cultural Diversity Shr</td>
</tr>
</tbody>
</table>

Select from courses with the International and Cultural Diversity attribute (UICD) (except sections of BUSH 289 with the UWRT attribute).

<table>
<thead>
<tr>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
</table>

Total Credits and GPA 0.000 0.00

unofficial evaluation

**Area: Foreign Language - Not Met**

<table>
<thead>
<tr>
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<th>Condition Rule Subject Attribute Low High Required Term Subject Course Title Attribute Credits Grade Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A. Foreign Language Reqnt</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
</table>

Total Credits and GPA 0.000 0.00
unofficial evaluation

Area: Residence Requirement - Not Met
Description: A minimum of 36 hours of 300-400 level coursework must be completed at Texas A&M University. 12 hours must be in the major field.

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required</th>
<th>Required</th>
<th>Term</th>
<th>Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A. Residence</td>
<td>-</td>
<td>Major</td>
<td>12hrs</td>
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</tr>
<tr>
<td>No</td>
<td>AND</td>
<td>B. Residence</td>
<td>-</td>
<td>300-499</td>
<td>24hrs</td>
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<td></td>
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</tbody>
</table>

unofficial evaluation

Area: GPR-Major - Not Met
Description: A GPR of 2.00 must be maintained in all major field courses.

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required</th>
<th>Required</th>
<th>Term</th>
<th>Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A. Major</td>
<td>GPR 31+hrs</td>
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<tr>
<td></td>
<td>Includes</td>
<td>COMM 101-499</td>
<td></td>
<td>CSCE 110</td>
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<tr>
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<td>2 &amp; 306</td>
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<td>308-101</td>
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</tr>
</tbody>
</table>

unofficial evaluation

Back to Display Options

* These courses are part of the major and therefore part of the major GPR
CHANGE IN CURRICULUM
COLLEGE OF LIBERAL ARTS
DEPARTMENT OF HISTORY
BA IN HISTORY
Texas A&M University
Request for a Change in Curriculum
Undergraduate • Graduate • Professional

1. Program request type:
   - Undergraduate
   - Graduate
   - Professional

2. Request change for:
   - Degree Program
   - Minor
   - Certificate

3. Request submitted by (Department or Program Name):
   - Program Designation and Name
     - (e.g., B.A. in History, Minor in History, Certificate in European Union)

4. Brief description of change:
   - The General Electives Area in the History degree plan is reserved for non-HIST courses. We want to allow students who major in History to be able to use up to 12 hours of upper level HIST courses in the General Electives Area.

5. Rationale for change:
   - We want our students to have the flexibility to take more HIST courses and to use them in their degree plans.

Use the checkboxes below to make sure that all information is included.

7. a. Proposed curriculum attached.
   - Yes
   - No

b. Current catalog curriculum with handwritten edits attached.
   - Yes
   - No

c. Current Howdy degree evaluation with handwritten edits attached.
   - Yes
   - No

   Please make sure the attached proposed curriculum, catalog and Howdy degree evaluation match.

8. a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes?
   - Yes
   - No

b. If yes, degree program hours will change from: ________ to: ________

c. If yes, is the Texas Higher Education Coordinating Board form attached?
   - Yes
   - No

http://www.thecb.state.tx.us/index.cfm/objectid-A0F9F7FA-9A29-4F11-2756-AD1BB8FF91D4

9. If proposed changes affect other unit(s), are letters of support attached?
   - Yes
   - No

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UGGC, January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:

David J. Vaughn, 11/2/2014

Department Head or Program Chair (Type Name & Sign) Date

Dean of College Date

Chair, College Review Committee Date

Chair, GC or UCC Date

Questions regarding this form should be directed to Curricular Services at 845-8101 or mende13@tamu.edu.
Curricular Services 04/14
HISTORY DEGREE PLAN

A Bachelor of Arts degree from the College of Liberal Arts requires 120 semester hours successfully completed and distributed according to the core requirements below. The university catalog defines which courses satisfy the various categories.

History majors must maintain a GPR of 2.0 both overall and in their major to be in good standing. No grade below C will count toward either the major or minor requirements. History majors must complete a MINIMUM of 33 hours of history courses according to the schedule below. A total of 14 hours of KINE and military hours (MLSC, AERS, NVSC) may be used toward graduation.

The university Residency requirement is 36 semester hours of upper level (300-400) courses successfully completed at Texas A&M. History majors must complete 18 hours of history (100-400) in residence at Texas A&M University.

<table>
<thead>
<tr>
<th>Name: ___________________________</th>
<th>History Advisors:</th>
</tr>
</thead>
<tbody>
<tr>
<td>UIN: ___________________________</td>
<td>Robyn Konrad, <a href="mailto:robyn-konrad@tamu.edu">robyn-konrad@tamu.edu</a>, 845-5987</td>
</tr>
<tr>
<td></td>
<td>Philip Smith, <a href="mailto:pms@tamu.edu">pms@tamu.edu</a>, 862-2061</td>
</tr>
<tr>
<td>Total applied hours:</td>
<td>Location: Suite 105, Glasscock Building</td>
</tr>
<tr>
<td>Cumulative GPR:</td>
<td>Residency Hours still needed:</td>
</tr>
</tbody>
</table>

MAJOR

History (HIST) 33 hours:

<table>
<thead>
<tr>
<th>REQUIRED courses</th>
<th>semester</th>
<th>grade</th>
<th>hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 101 or 103</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>HIST 102 or 104</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>HIST 105</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>HIST 106</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>HIST 280</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>HIST 481</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

ELECTIVE courses. You need: (a) at least 12 hours (4 courses) at the 300-400 level; (b) at least 3 hours (1 course) of pre-modern history at the 200-400 level; (c) at least 3 hours (1 course each) from three of five lists (U.S.; Europe; Latin America/Caribbean; Africa/Asia/Middle East; Thematic).

<table>
<thead>
<tr>
<th>courses</th>
<th>semester</th>
<th>grade</th>
<th>hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST (200-489)</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HIST (300-489)</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HIST (300-489)</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HIST (300-489)</td>
<td>3</td>
<td></td>
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</tr>
<tr>
<td>HIST (300-489)</td>
<td>3</td>
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OPTIONAL Minor:

<table>
<thead>
<tr>
<th>courses</th>
<th>semester</th>
<th>grade</th>
<th>hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

Social and Behavioral Sciences (USSC), 6 hours:

<table>
<thead>
<tr>
<th>courses</th>
<th>semester</th>
<th>grade</th>
<th>hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

Life & Physical Sciences [KLPS] 9 hours:

Select 9 hours from any courses with the Life & Physical Sciences attribute [KLPS]

<table>
<thead>
<tr>
<th>courses</th>
<th>semester</th>
<th>grade</th>
<th>hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Foreign Language - 14 hours:
You MUST take a placement test if you have previously taken ANY courses in this language. Call 979-845-0532 for info. All 14 hours must be in the same language.

<table>
<thead>
<tr>
<th>courses</th>
<th>semester</th>
<th>grade</th>
<th>hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>101/121</td>
<td></td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>102/122</td>
<td></td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>201/221</td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>202/222</td>
<td></td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

### Mathematics and Logical Reasoning, 6 hours:
Select from any MATH course EXCEPT: MATH 102, 103, 104, 130, 365 or 366. You also MAY select PHIL 240. Only one course from MATH 141/166 allowed.

<table>
<thead>
<tr>
<th>courses</th>
<th>semester</th>
<th>grade</th>
<th>hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

### Political Science (POLS) - 6 hours:

<table>
<thead>
<tr>
<th>courses</th>
<th>semester</th>
<th>grade</th>
<th>hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 206</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>POLS 207</td>
<td></td>
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</tr>
</tbody>
</table>

### Int'l and Cultural Diversity (UICD) 6 hrs.

<table>
<thead>
<tr>
<th>courses</th>
<th>semester</th>
<th>grade</th>
<th>hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tr>
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<td>3</td>
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</tbody>
</table>

### Communication (COMM) - 6 hours:
ENGL 104 AND one of the following:
ENGL 203, ENGL 210, ENGL 235, ENGL 241, ENGL 301, COMM 203, or COMM 243,

<table>
<thead>
<tr>
<th>courses</th>
<th>semester</th>
<th>grade</th>
<th>hours</th>
</tr>
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<tbody>
<tr>
<td>ENGL 104</td>
<td></td>
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<td>3</td>
</tr>
<tr>
<td>ENGL/COMM</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

### Literature (LIT) 6 hours:

<table>
<thead>
<tr>
<th>Courses</th>
<th>semester</th>
<th>grade</th>
<th>hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 203 or ENGL</td>
<td></td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

### Creative Arts/Lang, Phil, Cult (9 hours):
A. Lang, Phil, Culture req. [KPLC], 3 hrs.

B. Creative Arts [KCRA], 3 hrs.

C. Creative Arts/Lang, Phil, Cult [KCRA or KPLC], 3 hrs.

### General Electives - 25 hours (no more than 12 hours of HIST 360-499)

<table>
<thead>
<tr>
<th>courses</th>
<th>semester</th>
<th>grade</th>
<th>hours</th>
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<tbody>
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</table>

### University Writing Requirement, 6 hrs.

<table>
<thead>
<tr>
<th>courses</th>
<th>semester</th>
<th>grade</th>
<th>hours</th>
</tr>
</thead>
</table>

### Advisor notes:
The Department of History at Texas A&M offers the B.A., M.A., and Ph.D. The faculty teach over one hundred undergraduate courses on peoples, ideas, and cultures from around the world and across the ages, and are devoted to developing students' critical thinking, reading, and writing skills. A major in history affords students both a broad education and valuable practical skills. By acquiring familiarity with people in diverse times, places and circumstances, students of history develop a sophisticated human empathy which is the key to good scholarship and good citizenship alike.

Many students rely upon a major in history as preparation for a career in teaching as well as graduate study in law, business, public administration, international relations and theology. A small number pursue graduate degrees in history itself. Other history majors seek postgraduate employment in business management, advertising and public relations, government service, museum and archival work, editorial and publishing work, park interpretation and administration, non-profit organizations, and professions requiring research and bibliographic skills.
## History Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 101</td>
<td>Western Civilization to 1660</td>
<td>3</td>
</tr>
<tr>
<td>HIST 102</td>
<td>Western Civilization Since 1660</td>
<td>3</td>
</tr>
<tr>
<td>HIST 105</td>
<td>History of the United States</td>
<td>3</td>
</tr>
<tr>
<td>HIST 106</td>
<td>History of the United States</td>
<td>3</td>
</tr>
<tr>
<td>HIST 280</td>
<td>The Historian's Craft</td>
<td>3</td>
</tr>
<tr>
<td>HIST 481</td>
<td>Seminar in History</td>
<td>3</td>
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</tbody>
</table>

**History elective**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
</table>

**College and University Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ENGL 104</td>
<td>Composition and Rhetoric</td>
<td>3</td>
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</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 203</td>
<td>Writing about Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 210</td>
<td>Technical and Business Writing</td>
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<tr>
<td>COMM 203</td>
<td>Public Speaking</td>
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<td>COMM 205</td>
<td>Communication for Technical Professions</td>
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<td>COMM 243</td>
<td>Argumentation and Debate</td>
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**Literature in English**

<table>
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**Foreign language**

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**Mathematics**

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Select one of the following:

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**MATH course**

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<table>
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**Life and physical sciences**

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<tr>
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**Language, philosophy and culture**

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**Creative arts**

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**Language, philosophy and culture or creative arts**

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**Social and behavioral science**

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</thead>
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<td>Description</td>
<td>Credits</td>
</tr>
<tr>
<td>------------------------</td>
<td>--------------------------------------------------</td>
<td>---------</td>
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<tr>
<td>POLS 208</td>
<td>American National Government</td>
<td>3</td>
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<tr>
<td>POLS 207</td>
<td>State and Local Government</td>
<td>3</td>
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<tr>
<td>International and cultural diversity ³</td>
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<td>Total Semester Credit Hours</td>
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¹ Writing-intensive course.

² At least 12 hours at the 300- and 400-level. At least 3 hours of pre-modern history and at least 3 hours from three of the five lists (United States; Europe; Latin America and Caribbean; Africa, Asia and the Middle East; Thematic).

³ Course may also be used to satisfy other requirements.

4 Students may use up to 12 hours of HIST 300-499 for this requirement.

Students should plan a program of study in consultation with one of the department’s undergraduate advisors.

-33 credits. A minimum of 33 hours in history may be applied to the degree. Students must take not less than 15 credit hours at upper level for history residency requirement. A grade of C or higher is required for a course to be counted in the major field. A student must complete not less than 18 hours of coursework in history at Texas A&M University.

Minor Field of Study

All history majors are encouraged to select a minor field of study from departments or divisions within or outside of the College of Liberal Arts or in a particular area of interest (as in the case of interdisciplinary minors or career opportunity minors). The minor will consist of a minimum of 15 hours of coursework, as defined by the minor department. A grade of C or higher is required for a course to be counted in the minor field. Interdisciplinary minors, such as Women’s and Gender Studies, Africana Studies, Classical Studies, Religious Studies, Film Studies, Latina/o and Mexican American Studies, and Business have specific requirements; students should consult undergraduate advisors in these areas of study. A second major may substitute for the minor. Courses used to meet the minor requirements may not be used in the major. See also the statement on “Minor Field of Study” under the general requirements of the College of Liberal Arts.
**Detail Requirements**

Rebecca Schloss  
Nov 02, 2015 11:54 am

**Confidential Information for** This is NOT an official evaluation.

**Program Evaluation**

**Limitation** Correspondence: No more than 12 hours of correspondence earned through an accredited institution may be used for an undergraduate degree.

**Limitation** Combination: Maximum combination of 18 hours of 481, 482, 485 and/or 491 courses may be used for an undergraduate degree.

**Limitation** Only one course from MATH 141, 166 may be used in this degree program.

**Limitation** Only one course from MATH 131, 142, 151, 171 may be used in this degree program.

**Limitation** Only 14 hours of KINE 199; ARSE 100-499; MLSC 100-499; NVSC 100-499; SOMS 100-499 may be used in this degree program to include hours counted toward residency.

**Limitation** Only 6 hours of HIST 485 may be used in this degree program.

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<td>Evaluation Term</td>
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**Other Course Information**

- Transfer: 12.000 | 4
- In Progress: 15.000 | 5
- Unused: 3.000 | 1

This is NOT an official evaluation.

**Area:** Major Coursework (33,000 credits) - Not Met
**Description:** A maximum of 6 hours of HIST 200-299 may be included in this area. (HIST 280 for 3 hours is required, and the remaining three hours can be used in Rule G or H.)

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<td>AND</td>
<td>B. HIST Romt II 3hrs</td>
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<td>D. HIST 106</td>
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<td>AND</td>
<td>E. HIST 280</td>
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<td>AND</td>
<td>F. HIST 481</td>
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<tr>
<td>No</td>
<td>AND</td>
<td>G. History Elective 1 9hrs</td>
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<td>Must make grade of 'C' or better. Select 3 hours from three of five lists:</td>
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</table>

https://compass-ssb.tamu.edu/pls/PRODbwckapp.P_VerifyDispEvalViewOption


Latin America & Caribbean: HIST 304, 329-322, 326-327, 341-343, 440-441, 449.

Africa, Asia, and Middle East: HIST 344-358.


No AND H. History Elective II 6hrs

Must make grade of 'C' or better.

unofficial evaluation

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<th>Area</th>
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<tr>
<td>Yes AND C.</td>
<td>Literature Rqmt 6hrs</td>
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unofficial evaluation

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<td>No AND B.</td>
<td>Math/Logic Rqmt 3hrs</td>
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<td>Select from PHIL 240 or a course with a [UMAT] attribute.</td>
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Total Credits and GPA 3.000 3.90

unofficial evaluation

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<td>No AND B.</td>
<td>Science Rqmt II 4hrs</td>
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<td>Select from any course with the USCl or USC2 attribute.</td>
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Total Credits and GPA 4.000 4.00
unofficial evaluation

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<tr>
<td>No</td>
<td>A. Arabic 14hrs</td>
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<tr>
<td></td>
<td>1. 8 hours. Take ARAB 101 and 102.</td>
</tr>
<tr>
<td></td>
<td>2. 6 hours. Take ARAB 201 and 202.</td>
</tr>
<tr>
<td>No</td>
<td>B. Chinese 14hrs</td>
</tr>
<tr>
<td></td>
<td>1. 8 hours. Take CHIN 101 and 102.</td>
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<td>2. 6 hours. Take CHIN 201 and 202.</td>
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<td>C. French 14hrs</td>
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<td>1. 8 hours. Take FREN 101 and 102.</td>
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<td>2. 3 hours. Select from FREN 201 or 221.</td>
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<td>1. 8 hours. Take GERM 101 and 102.</td>
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<td>1. 8 hours. Take ITAL 101 and 102.</td>
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<td>No</td>
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<td>1. 8 hours. Take JAPN 101 and 102.</td>
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<td>No</td>
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<td>4. 3 hours. Select from SPAN 202 or 222.</td>
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unofficial evaluation

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<td>A. Visual/Performing Arts 3hrs</td>
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<td>B. Humanities 3hrs</td>
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Total Credits and GPA  11.000   4.00
### Unofficial Evaluation

#### Area: Social and Behavioral Science (6.000 credits) - Met

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Total Credits and GPA: 6.000, 4.00

#### Unofficial Evaluation

#### Area: Citizenship (6.000 credits) - Met

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Total Credits and GPA: 6.000, 4.00

#### Unofficial Evaluation

#### Area: Kinesiology-Physical Activity (1.000 credits) - Met

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Total Credits and GPA: 1.000, 4.00

#### Unofficial Evaluation

#### Area: Kinesiology-Health & Fitness (1.000 credits) - Not Met

**Description**: Transfer students may fulfill the Kinesiology and Health Fitness Requirement by transferring two KINE 199's taken prior to attending Texas A&M.

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Total Credits and GPA: 0.000, 4.00

#### Unofficial Evaluation

### Area: General Electives (24.000 credits) - Not Met

- **Met Condition Rule**: Subject Attribute Low High Required Credits Required Term Subject Course Title Attribute Credits Grade Source

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**unofficial evaluation**

### General Electives 24hrs

Select any 100-499 course not used elsewhere (except HIST 100-499, ENGL 100-499, CAEN 100-499, STLC 100-499).

Select any 100-499 course not used elsewhere (except HIST 100-499, ENGL 100-499, CAEN 100-499, STLC 100-499) Up to 12 hours of HIST 300-499 may be used.

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<th>See advisor for acceptable substitutions.</th>
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**unofficial evaluation**
unofficial evaluation

Area Additional Coursework - Met

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<th>Attribute Credits</th>
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<tr>
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<td>Premodern History</td>
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<tr>
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<td>B.</td>
<td>Premodern History</td>
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unofficial evaluation

Area University Writing Requirement - Not Met

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Two courses required. Select from HIST 280, 481 with the Writing attribute [UWRT] to satisfy this requirement. Must have a grade of "C" or better.

Total Credits and GPA 3.000 .00

unofficial evaluation

Area Int'l & Cult Diversity - Met

<table>
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<th>Met</th>
<th>Condition Rule</th>
<th>Subject Attribute</th>
<th>Low Required Credits</th>
<th>High Required Credits</th>
<th>Term</th>
<th>Subject Course Title</th>
<th>Attribute Credits</th>
<th>Grade</th>
<th>Source</th>
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<tr>
<td>Yes</td>
<td>A.</td>
<td>Int'l &amp; Cultural Diversity 6hr</td>
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</table>

Total Credits and GPA 6.000 D0

unofficial evaluation

Area : Residence Requirement - Not Met

Description: A minimum of 36 hours of 300-400 level coursework must be completed at Texas A&M University. 15 hours must be in the major field.

<table>
<thead>
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<th>Condition Rule</th>
<th>Subject Attribute</th>
<th>Low Required Credits</th>
<th>High Required Credits</th>
<th>Term</th>
<th>Subject Course Title</th>
<th>Attribute Credits</th>
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<tr>
<td>No AND</td>
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<td>Residence - 300-499 21hrs</td>
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3.000 A H

Total Credits and GPA 21.000 3.60

unofficial evaluation
Detail Requirements

<table>
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<tr>
<th>Area</th>
<th>GPR-Major - Not Met</th>
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<tbody>
<tr>
<td>Description</td>
<td>A GPR of 2.00 must be maintained in all major field courses.</td>
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<table>
<thead>
<tr>
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<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
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<th>Low Credits</th>
<th>High Credits</th>
<th>Required Courses</th>
<th>Term</th>
<th>Subject</th>
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<th>Grade</th>
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<td>Major</td>
<td>GPR</td>
<td>33+ hrs</td>
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</table>

HONORS STD

Total Credits and GPA 24.000 3.50

unofficial evaluation

E-mail Back to Display

Options

Print
CHANGE IN CURRICULUM
COLLEGE OF LIBERAL ARTS
DEPARTMENT OF SOCIOLOGY
BA IN SOCIOLOGY
Texas A&M University  
Request for a Change in Curriculum  
Undergraduate • Graduate • Professional

1. Program request type:  
☑ Undergraduate  ☐ Graduate  ☐ First Professional (e.g., DVM, JD, MD, etc.)

2. Request change for:  
☐ Degree Program  ☐ Minor  ☐ Certificate

3. Request submitted by (Department or Program Name):  
Department of Sociology

4. Program Designation and Name  
(e.g., B.A. in History, Minor in History, Certificate in European Union):  
Bachelor of Arts in Sociology

5. Brief description of change:  
1. Change Sociology major elective range from 206-499 to 100-499  
2. Raise allowable number of SOCI 484 from 3 to 6, eliminate superscript I  
3. Eliminate superscript 3 regarding Mathematics courses  
4. Add superscript 2 to all major requirement and eliminate the "C for major courses" note  
5. Change "free" to "general" for electives  
6. Remove superscript 4 from general electives

6. Rationale for change:  
1. This is to accommodate current and future SOCI classes numbered less than 205, SOCI 203 being an example of such a class.  
2. This number has been in place for a while on the degree evaluation and in practice. This should be a general note.  
3. Two reasons: we have always accepted standard core math courses, and this note is inaccurate. MATH 150 and PHIL 240 are already part of the core curriculum. There's no need for this note in the catalog.  
4. This just eliminates a redundancy.  
5. They are called general electives.  
6. We are allowing up to 6 credits of SOCI 484 to count toward general electives.

Use the checkboxes below to make sure that all information is included.

7. a. Proposed curriculum attached.  
☑ Yes  ☐ No

b. Current catalog curriculum with handwritten edits attached.  
☑ Yes  ☐ No

c. Current Howdy degree evaluation with handwritten edits attached.  
☑ Yes  ☐ No

Please make sure the attached proposed curriculum, catalog and Howdy degree evaluation match.

8. a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes?  
☐ Yes  ☑ No

b. If yes, degree program hours will change from:  

to:  

8. c. If yes, is the Texas Higher Education Coordinating Board form attached?  
http://www.thecb.state.tx.us/index.cfm?objectid=A0F9F7FA-9A92-4F11-2756AD3BBFF01D60  
☑ Yes  ☐ No

9. If proposed changes affect other unit(s), are letters of support attached?  
☑ Yes  ☐ No

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UCC/GC, January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:

Jane Sell  
Department Head or Program Chair (Type Name & Sign)  Date  11-18-15

Dean of College  Date  11-18-15

Chair, College Review Committee  Date  11-18-15

Chair, GC or UCC  Date

Questions regarding this form should be directed to Curricular Services at 845-8301 or sandra.williams@tamu.edu.
Curricular Services – 04/14
Changes

7. Eliminate superscript 5

8. Change “33 credits of sociology may be applied to the degree” to “to the major”

Reasons

7. This is unnecessary

8. We are allowing 6 credits of SOCI 484 to count towards general electives.
SOCILOGY – Bachelor of Arts

SOCI 205  Introduction to Sociology¹  3 credits
SOCI 220  Methods of Social Research¹  3 credits
SOCI 230  Classical Sociological Theory¹  3 credits
SOCI 420  Advanced Methods of Social Research¹  3 credits
SOCI 430  Contemporary Sociological Theory²  3 credits
SOCI 100-499¹  18 credits

ENGL 104  Composition and Rhetoric¹  3 credits

Select one of the following:

ENGL 203  Writing about Literature  3 credits
ENGL 210  Technical and Business Writing
COMM 203  Public Speaking
COMM 205  Communication for Technical Professionals
COMM 243  Argumentation and Debate

Literature  6 credits
Mathematics  6 credits
Life and Physical Sciences  9 credits
Foreign Language  14 credits
Creative Arts  3 credits
Language, Philosophy, and Culture  3 credits
Creative Arts or Language, Philosophy, and Culture  3 credits
Social and Behavioral Sciences²  6 credits
American History  6 credits
POLS 206  American National Government  3 credits
POLS 207  State and Local Government  3 credits
International and Cultural Diversity³  6 credits
General Electives⁴  19 credits
A grade of C or better is required for credit.

SOCI courses do not count toward fulfilling this requirement

Courses may be used to satisfy any other requirement

No more than 6 credits of SOCI 484 may count toward this requirement.

No more than 33 credits in SOCI may be applied to the major.

Other courses may qualify. Consult the approved list of courses available in the Undergraduate Services Office in the College of Liberal Arts or from departmental advisors. No more than one course may be counted in more than one category.

Please note that university requirements specify that all students must take at least two courses in their major that are designated as fulfilling a writing intensive requirement (W). See the section on general requirements for baccalaureate degrees for more information.
SOCIOLGY - BA

- Home >
- Undergraduate Catalog >
- College of Liberal Arts >
- Sociology >
- Sociology - BA
- OVERVIEW
- PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>SOCI 205</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 220</td>
<td>Methods of Social Research</td>
<td>3</td>
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<tr>
<td>SOCI 230</td>
<td>Classical Sociological Theory</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 420</td>
<td>Advanced Methods of Social Research</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 430</td>
<td>Contemporary Sociological Theory</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 205-SOCI 499</td>
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<td>18</td>
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College and University Requirements

Communication

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<tbody>
<tr>
<td>ENGL 104</td>
<td>Composition and Rhetoric</td>
<td>3</td>
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</tbody>
</table>

Select one of the following: 3

- ENGL 203  Writing about Literature
- ENGL 210  Technical and Business Writing
- COMM 203  Public Speaking
- COMM 205  Communication for Technical Professions
- COMM 243  Argumentation and Debate
<table>
<thead>
<tr>
<th>Course</th>
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<td>Foreign language</td>
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<td>Mathematics</td>
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<td>Life and physical sciences</td>
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<td>Language, philosophy and culture</td>
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<td>American history</td>
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<td>POLS 206 American National Government</td>
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<td>POLS 207 State and Local Government</td>
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<tr>
<td>International and cultural diversity</td>
<td>3</td>
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<tr>
<td>General free electives</td>
<td>19</td>
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</table>

**Total Semester Credit Hours**: 120

4. No more than 3 semester credit hours for **SOCI 484** may be applied to the Bachelor of Arts degree in Sociology.

A grade of C or better is required for credit.

3. At least 3 hours must be in MATH except MATH 102, MATH 150, MATH 365, and MATH 366. Three hours may be PHIL 240.

2. SOCI courses do not count toward fulfilling this requirement.

5. Only American history courses fulfill this requirement.

9. Course may be used to satisfy any other requirement.
No more than 33 hours in sociology may be applied to the degree.

A grade of C or higher is required if a course is to be counted in the major field.

Other courses may qualify. Consult the approved list of courses available in the Undergraduate Student Services Office in the College of Liberal Arts or from departmental advisors. No more than one course may be counted in more than one category.

Please note that university requirements specify that all students must take at least two courses in their major that are designated as fulfilling a writing requirement (W). See the section on general requirements for baccalaureate degrees for more information.
**Detail Requirements**

Jennifer Runnels  
Nov 17, 2015 03:59 pm

Viewing: Degree Evaluation (DEGEVAL, , Email)  
Change Student

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**Program Evaluation**

**Limitation Correspondence:** No more than 12 hours of correspondence earned through an accredited institution may be used for an undergraduate degree.

**Limitation Combination:** Maximum combination of 18 hours of 481, 482, 485 and/or 491 courses may be used for an undergraduate degree.

**Limitation Only one course from MATH 141, 156 may be used in this degree program.**

**Limitation Only 14 hours of KINE 199, AEIS 100-499, MLSC 100-499, NVSC 100-499; SOMS 100-499 may be used in this degree program to include hours counted toward Residency.**

**Limitation Only 6 hours of SOCI 484 may be used in this program.**

<table>
<thead>
<tr>
<th>Program</th>
<th>BA SOCI</th>
<th>Catalog Term</th>
<th>Fall 2015 - College Station</th>
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<td>Campus</td>
<td>College Station</td>
<td>Evaluation Term</td>
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<td>Program GPA :</td>
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<td>Overall GPA :</td>
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**Other Course Information**

| Transfer : | 0.000 | 0 |

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This is NOT an official evaluation.

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**Area Major Coursework ( 33,000 credits ) - Not Met**

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<td></td>
<td>Must make a grade of &quot;C&quot; or better.</td>
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<td>No</td>
<td>AND</td>
<td>SOCI 220</td>
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<td>B.</td>
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<td>SOCI 230</td>
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<td>C.</td>
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<td>Must make a grade of &quot;C&quot; or better.</td>
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<td>No</td>
<td>AND</td>
<td>SOCI 420</td>
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<td>No</td>
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<td>SOCI 430</td>
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<td>Must make a grade of &quot;C&quot; or better.</td>
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<tr>
<td>No</td>
<td>AND</td>
<td>SOCI 18hrs</td>
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<td></td>
<td>Select from SOCI 205-499.</td>
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<td>Must make a grade of &quot;C&quot; or better.</td>
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Total Credits and GPA 0.000 .00

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**Area Communication ( 12.000 credits ) - Not Met**

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https://compass-ssb.tamu.edu/pls/PROD/twocxapp_P_VerifyDispEvalViewOption
### Met Condition Rule Subject Attribute Low High Required Credits

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<th>No</th>
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<tr>
<td>A</td>
<td>ENGL 104</td>
<td>Must have a grade of 'C' or better.</td>
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<tr>
<td>B</td>
<td>Communication Reqmt 3hrs</td>
<td>Select from ENGL 201, 210; COMM 203, 205, 243.</td>
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</tbody>
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Total Credits and GPA: 0.000 0.00

### Unofficial Evaluation

#### Area Mathematics (6.000 credits) - Not Met

<table>
<thead>
<tr>
<th>No</th>
<th>Subject</th>
<th>Notes</th>
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<tbody>
<tr>
<td>A</td>
<td>Mathematics Reqmt 3hrs</td>
<td>Select any course with the [KHMT] attribute.</td>
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<tr>
<td>B</td>
<td>Math/Logic Reqmt 3hrs</td>
<td>Select from STAT 201 or any course with the [KHMT] attribute.</td>
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Total Credits and GPA: 0.000 0.00

### Unofficial Evaluation

#### Area Life and Physical Sciences (9.000 credits) - Not Met

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<th>No</th>
<th>Subject</th>
<th>Notes</th>
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<tr>
<td>A</td>
<td>Life/Physical Sciences 9hrs</td>
<td>Select 9 hours from any courses with the Life and Physical Sciences attribute [KLPS].</td>
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Total Credits and GPA: 0.000 0.00

### Unofficial Evaluation

#### Area Foreign Language (14.000 credits) - Not Met

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<th>Language</th>
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<tr>
<td>A</td>
<td>Arabic 14hrs</td>
<td>1. 8 hours, Take ARAB 101 and 102. 2. 6 hours, Take ARAB 201 and 202.</td>
</tr>
<tr>
<td>B</td>
<td>Chinese 14hrs</td>
<td>1. 8 hours, Take CHIN 101 and 102. 2. 6 hours, Take CHIN 201 and 202.</td>
</tr>
<tr>
<td>C</td>
<td>French 14hrs</td>
<td>1. 8 hours, Take FREN 101 and 102. 2. 3 hours, Select from FREN 201 or 221. 3. 3 hours, Select from FREN 202 or 222.</td>
</tr>
<tr>
<td>D</td>
<td>German 14hrs</td>
<td>1. 8 hours, Take GERM 101 and 102. 2. 3 hours, Select from GERM 201 or 221. 3. 3 hours, Select from GERM 202 or 222.</td>
</tr>
<tr>
<td>E</td>
<td>Greek 14hrs</td>
<td>1. 8 hours, Take CLAS 101 and 102. 2. 3 hours, Take CLAS 211.</td>
</tr>
</tbody>
</table>

https://compass-ssb.tamu.edu/pls/PROD/twckcapp.P_VerifyDispEvalViewOption
3. 3 hours. Select from CLAS 311 or 312.

No OR (F) Italian 14hrs
1. 8 hours. Take ITAL 101 and 102.
2. 6 hours. Take ITAL 201 and 202.

No OR (G) Japanese 14hrs
1. 8 hours. Take JAPN 101 and 102.
2. 6 hours. Take JAPN 201 and 202.

No OR (H) Latin 14hrs
1. 8 hours. Take CLAS 121 and 122.
2. 6 hours. Take CLAS 221 and 222.

No OR (I) Portuguese 14hrs
1. 8 hours. Take PORT 101 and 102.
2. 6 hours. Take PORT 201 and 202.

No OR (J) Russian 14hrs
1. 8 hours. Take RUSS 101 and 102.
2. 6 hours. Select from RUSS 201, 202, 221, 222.

No OR (K) Spanish 14hrs
1. 4 hours. Take SPAN 101.
2. 4 hours. Select from SPAN 102 or 140.
3. 3 hours. Select from SPAN 201 or 221.
4. 3 hours. Select from SPAN 202, 203 or 222.

Total Credits and GPA 0.000 0.00

unofficial evaluation

Area Lang. Phil. Cult. & Cr. Arts (9,000 credits) - Not Met

Met Condition Rule Subject Attribute Low High Required Credits Required Courses Term Subject Course Title Attribute Credits Grade Source
No A. Creative Arts 3hrs
Select from any course with the Creative Arts [KCRA] attribute.

No AND B. Lang. Phil. & Cul. 3hrs
Select from any course with the Language, Philosophy, and Culture [KLPC] attribute.

No AND C. Lang. Phil. Cul.& Cr. Art 3hrs
Select from any course with the Language, Philosophy, and Culture [KLPC] attribute or with the Creative Arts [KCRA] attribute.

Total Credits and GPA 0.000 0.00

unofficial evaluation

Area Social and Behavioral Science (4,000 credits) - Not Met

Met Condition Rule Subject Attribute Low High Required Credits Required Courses Term Subject Course Title Attribute Credits Grade Source
No A. Social Science 3hrs
Select from any course with the Social and Behavioral Sciences [KSOC] attribute (except SOCI 100-459).

No AND B. Social Science 3hrs
Select from any course with the Social and Behavioral Sciences [KSOC] attribute (except SOCI 100-459).

Total Credits and GPA 0.000 0.00

unofficial evaluation

Area: Citizenship (12,000 credits) - Not Met

Description Completion of 4 semesters of Upper-Level ROTC may be substituted for 3 hours of American History and 3 hours of Political Science.

https://compass-sst.tamu.edu/ps/PROD/bwscckapp.P_VerifyDispEvalViewOption
unofficial evaluation

Area General Electives (19.000 credits) - Not Met
Met Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Grade Source Credits Courses
No A. General Electives 19hrs
   Select any 100-99 course not used elsewhere, except SOCI 100-499. No more than 6 credits of SOCI 108A may count toward this requirement.
   Total Credits and GPA 0.000 .00

unofficial evaluation

Area: Work Not Applied - Met
Description See adviser for acceptable substitutions.
Met Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Grade Source Credits Courses
No A. Courses not applied
   Total Credits and GPA 0.000 .00

unofficial evaluation

Area University Writing Requirement - Not Met
Met Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Grade Source Credits Courses
No A. Writing Requirement
   Two courses required. 100-499
   Only sections of SOCI 205-206; 210-215; 323; 325; 426;
   434-438; 490 with the Writing attribute [UWRT] may be used to satisfy this requirement.
   Total Credits and GPA 0.000 .00

unofficial evaluation

Area Int'l & Cult Diversity - Not Met
Met Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Grade Source Credits Courses
No A. Int'l & Cultural Diversity 6hr
   Select from courses with the International and Cultural Diversity attribute [UICD] (except sections of BUSN 289 with the UWRT attribute).
   Total Credits and GPA 0.000 .00

unofficial evaluation

Area: Residence Requirement - Not Met
Description A minimum of 36 hours of 300-400 level coursework must be completed at Texas A&M University. 12 hours must be in the major field.
<table>
<thead>
<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required</th>
<th>Required</th>
<th>Term</th>
<th>Subject</th>
<th>Course</th>
<th>Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Grade</th>
<th>Source</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>Residence - Major 12hrs</td>
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<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>No</td>
<td>AND</td>
<td>B. Residence - 300-499 24hrs</td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

Total Credits and GPA 0.000 .00

unofficial evaluation

Area: GPR-Major - Not Met
Description: A GPR of 2.00 must be maintained in all major field courses.

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required</th>
<th>Required</th>
<th>Term</th>
<th>Subject</th>
<th>Course</th>
<th>Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Grade</th>
<th>Source</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>Major GPR 33+hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Includes SOCI 100-499 and all courses cross-listed with SOCI 100-499

Total Credits and GPA 0.000 .00

unofficial evaluation

Back to Display Options
CHANGE IN CURRICULUM

COLLEGE OF LIBERAL ARTS

DEPARTMENT OF SOCIOLOGY

BA IN SOCIOLOGY AND MPSA - 3+2
Texas A&M University
Request for a Change in Curriculum
Undergraduate • Graduate • Professional

1. Program request type:
   ☐ Undergraduate   ☐ Graduate   ☐ First Professional (e.g., DVM, JD, MD, etc.)
   ☐ Degree Program   ☐ Minor   ☐ Certificate

2. Request change for:

3. Request submitted by (Department or Program Name):
   Department of Sociology
   Program Designation and Name
   Bachelor of Arts/Master of Public Service and Administration 3+2

4. Brief description of change:
   1. Change major elective and general elective details
   2. Remove superscript 3
   3. Remove superscript 4
   4. Change "degree" to "major" in the "No more than 33 hours..." clause
   5. Remove "A grade of C or higher..." clause
   6. Add a new clause 4

5. Rationale for change:
   1. These are what the Bush School program has been using for some time.
   2. Two reasons: we have always accepted standard core math courses, and this note is inaccurate. MATH 150 and PHIL 240 are already part of the core curriculum. There is no need for this note in the catalog.
   3. This is redundant - the link goes to only American History courses.
   4. We are allowing 3 credits of SOCI 484 to count toward general electives.
   5. This is redundant
   6. We are allowing 3 credits of SOCI 484 to count toward general electives.

Use the checkboxes below to make sure that all information is included.

7. a. Proposed curriculum attached.
   ☐ Yes   ☐ No
   b. Current catalog curriculum with handwritten edits attached.
   ☐ Yes   ☐ No
   c. Current Howdy degree evaluation with handwritten edits attached.
   ☐ Yes   ☐ No
   Please make sure the attached proposed curriculum, catalog and Howdy degree evaluation match.

8. a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes?
   ☐ Yes   ☐ No
   b. If yes, degree program hours will change from:     to:     
   c. If yes, is the Texas Higher Education Coordinating Board form attached?
   ☐ Yes   ☐ No
   http://www.thecb.state.tx.us/index.cfm?objectid=A0F9E7FA-9A92-4F11-2756AD3BBFF01D69

9. If proposed changes affect other unit(s), are letters of support attached?
   ☐ Yes   ☐ No

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UCC/GC, January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:

Jane Sell
Department Head or Program Chair (Type Name & Sign)  Date  Dean of College  Date
11-18-15
Chair, College Review Committee  Date  Chair, GC or UCC  Date
11-14-15
### SOCIOLOGY – 5 Year Bachelor of Science/Master of Public Service and Administration

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 205</td>
<td>Introduction to Sociology¹</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 220</td>
<td>Methods of Social Research¹</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 230</td>
<td>Classical Sociological Theory²</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 420</td>
<td>Advanced Methods of Social Research¹</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 430</td>
<td>Contemporary Sociological Theory¹</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 100-499</td>
<td></td>
<td>9-10 credits</td>
</tr>
<tr>
<td>BUSH 631</td>
<td>Quantitative Methods in Public Management I¹</td>
<td>3</td>
</tr>
<tr>
<td>One of the following: BUSH 632 or BUSH 635 or PSAA 630¹</td>
<td>3 credits</td>
<td></td>
</tr>
<tr>
<td>Approved PSAA elective or track requirement¹</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

### ENGL 104
Composition and Rhetoric¹

Select one of the following:

- ENGL 203  Writing about Literature
- ENGL 210  Technical and Business Writing
- COMM 203  Public Speaking
- COMM 205  Communication for Technical Professionals
- COMM 243  Argumentation and Debate

Literature

- Mathematics

Life and Physical Sciences

- Foreign Language

Creative Arts

- Language, Philosophy, and Culture

Creative Arts or Language, Philosophy, and Culture

Social and Behavioral Sciences²

American History

POLS 206 American National Government

6 credits

6 credits

9 credits

14 credits

3 credits

3 credits

3 credits

6 credits

6 credits

3 credits
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 207</td>
<td>State and Local Government</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>International and Cultural Diversity(^3)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>General Electives(^4)</td>
<td>1-3</td>
</tr>
<tr>
<td>PSAA 601</td>
<td>Foundations of Public Service(^1)</td>
<td>3</td>
</tr>
<tr>
<td>PSAA 611</td>
<td>Public Policy Formation(^1)</td>
<td>3</td>
</tr>
<tr>
<td>PSAA 621</td>
<td>Economic Analysis(^1)</td>
<td>3</td>
</tr>
</tbody>
</table>

\(^1\)A grade of C or better is required for credit.

\(^2\)SOCI courses do not count toward fulfilling this requirement

\(^3\)Courses may be used to satisfy any other requirement

\(^4\)No more than 6 credits of SOCI 484 may count toward this requirement.

No more than 33 credits in SOCI may be applied to the major.

Other courses may qualify. Consult the approved list of courses available in the Undergraduate Services Office in the College of Liberal Arts or from departmental advisors. No more than one course may be counted in more than one category.

Please note that university requirements specify that all students must take at least two courses in their major that are designated as fulfilling a writing intensive requirement (W). See the section on general requirements for baccalaureate degrees for more information.
SOCILOGY - 5-YEAR BACHELOR OF ARTS/MASTER OF PUBLIC SERVICE ADMINISTRATION

- Home >
- Undergraduate Catalog >
- College of Liberal Arts >
- Sociology >
- Sociology - 5-Year Bachelor of Arts/Master of Public Service Administration
- OVERVIEW
- PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
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<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>SOCI 205</td>
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<tr>
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<td>Methods of Social Research</td>
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<td>SOCI 230</td>
<td>Classical Sociological Theory</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 420</td>
<td>Advanced Methods of Social Research</td>
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</tr>
<tr>
<td>SOCI 430</td>
<td>Contemporary Sociological Theory</td>
<td>3</td>
</tr>
</tbody>
</table>

Select from the following: 18

- BUSH 635  Quantitative Methods in Public Management II: Policy Analysis Emphasis
- BUSH 636  Quantitative Methods II: Game Theory Emphasis
- PSAA 630  Program Evaluation in Public and Nonprofit Organizations
- SOCI 100-SOCI 499
- SOCI 608  Social Organization
- SOCI 616  Political Sociology

College and University Requirements

Communication
<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 104</td>
<td>Composition and Rhetoric¹</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 203</td>
<td>Writing about Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 210</td>
<td>Technical and Business Writing</td>
<td></td>
</tr>
<tr>
<td>COMM 203</td>
<td>Public Speaking</td>
<td></td>
</tr>
<tr>
<td>COMM 205</td>
<td>Communication for Technical Professions</td>
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</tr>
<tr>
<td>COMM 243</td>
<td>Argumentation and Debate</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Literature in English</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Foreign language</td>
<td>14</td>
</tr>
<tr>
<td>Mathematics²</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Life and physical sciences</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Language, philosophy and culture</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Creative arts</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Language, philosophy and culture or Creative arts</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Social and behavioral science²</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>American history</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>POLS 206</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>POLS 207</td>
<td>State and Local Government</td>
<td>3</td>
</tr>
<tr>
<td>International and cultural diversity³</td>
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<tr>
<td>General electives</td>
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</table>

Select one of the following: 3
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<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PSAA 601</td>
<td>Foundations of Public Service</td>
<td></td>
</tr>
<tr>
<td>PSAA 611</td>
<td>Public Policy Formation</td>
<td></td>
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<tr>
<td>PSAA 621</td>
<td>Economic Analysis</td>
<td></td>
</tr>
<tr>
<td>PSAA 622</td>
<td>Public Finance</td>
<td>3</td>
</tr>
<tr>
<td>or PSAA 634</td>
<td>or Public Management</td>
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</tr>
<tr>
<td>PSAA elective</td>
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<td>3</td>
</tr>
<tr>
<td>Any 100-499 course (except SOCI)</td>
<td></td>
<td>0</td>
</tr>
</tbody>
</table>

**Total Semester Credit Hours**: 120

1. A grade of C or better is required for credit.

2. "At least 3 hours must be in MATH except MATH 102, MATH 150, MATH 365, and MATH 366. Three hours may be PHIL 240.

3. SOCI courses do not count toward fulfilling this requirement.

4. "Only American history courses fulfill this requirement.

5. Course may be used to satisfy any other requirement.

No more than 33 hours in sociology may be applied to the degree. A grade of C or higher is required if a course is to be counted in the major field.

Other courses may qualify. Consult the approved list of courses available in the Undergraduate Student Services Office in the College of Liberal Arts or from departmental advisors. No more than one course may be counted in more than one category.

Please note that university requirements specify that all students must take at least two courses in their major that are designated as fulfilling a writing requirement (W). See the section on general requirements for baccalaureate degrees for more information.

4. No more than 3 credits of SOCI 484 must be used toward fulfilling this requirement.
3+2 changes

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>SOCI 100-499</td>
<td></td>
<td>9 credits</td>
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<tr>
<td>BUSH 631</td>
<td>Quantitative Methods in Public Management</td>
<td>3 credits</td>
</tr>
<tr>
<td>One of the following: BUSH 632 or BUSH 635 or PSAA 630</td>
<td>3 credits</td>
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<tr>
<td>Approved PSAA elective or track requirement</td>
<td>3 credits</td>
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<table>
<thead>
<tr>
<th>General electives</th>
<th></th>
<th>10 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSAA 601</td>
<td>Foundations of Public Service</td>
<td>3 credits</td>
</tr>
<tr>
<td>PSAA 611</td>
<td>Public Policy Formation</td>
<td>3 credits</td>
</tr>
<tr>
<td>PSAA 621</td>
<td>Economic Analysis</td>
<td>3 credits</td>
</tr>
</tbody>
</table>
Detail Requirements

Information for Degree Evaluation
This is NOT an official evaluation.

Program Evaluation

Limitation Correspondence: No more than 12 hours of correspondence earned through an accredited institution may be used for an undergraduate degree.

Limitation Combination: Maximum combination of 18 hours of 481, 482, 485 and/or 491 courses may be used for an undergraduate degree.

Limitation Only one course from MATH 141, 166 may be used in this degree program.

Limitation Only 13 hours of KINE 198-199, AERS 100-499; MLSC 100-499; NVSC 100-499; SOMS 100-499 may be used in this degree program to include hours counted toward Residency.

Limitation Only 3 hours of SOCI 484 may be used in this program.

Limitation No more than 33 hours of SOCI can be applied to the degree.

Program:
BA SOCI - 3+2 Program
Catalog Term:
Fall 2015 - College Station
Evaluation Term:
Fall 2015 - College Station
Expected Graduation Date:

Campus:
College Station
Level:
Bachelor of Arts
Degree:
Liberal Arts
Major:
Sociology
Departments:

Results as of:
Nov 18, 2015

Concentrations:

<table>
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<tr>
<th>Met</th>
<th>Credits</th>
<th>Courses</th>
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<tbody>
<tr>
<td></td>
<td>Required</td>
<td>Used</td>
</tr>
<tr>
<td>No</td>
<td>120.00</td>
<td>0.00</td>
</tr>
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</table>

Required | Used | Required | Used |
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<tr>
<th></th>
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</thead>
<tbody>
<tr>
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<td></td>
</tr>
</tbody>
</table>

Total Required:
No
Program GPA:
Yes
Overall GPA:
No
Other Course Information:

Transfer:

This is NOT an official evaluation.

Area Major Coursework (33.000 credits) - Not Met:

Met Condition Rule Subject Attribute Low High Required Credits Required Courses Term Subject Course Title Attribute Credits Grade Source

No A. SOCI 205
Must make a grade of "C" or better.

No AND B. SOCI 220
Must make a grade of "C" or better.

No AND C. SOCI 230
Must make a grade of "C" or better.

No AND D. SOCI 420
Must make a grade of "C" or better.

No AND E. SOCI 430
Must make a grade of "C" or better.

No AND F. SOCI Rqmt thrs
Select from SOCI 100-499, 608.
Must make a grade of "C" or better.

No AND G. BUSH 631
Must make a grade of "C" or better.

No AND H. BUSH 632 or 635 or PSAA 630
Must make a grade of "C" or better.

No AND I. Apprvd PSAA elec or brack rqmt
Must make a grade of "C" or better.
unofficial evaluation

Area Communication (12.000 credits) - Not Met

<table>
<thead>
<tr>
<th>Met Condition Rule Subject Attribute Low High Required Credits</th>
<th>Required Courses</th>
<th>Term Subject Course Title Attribute Credits Grade Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No A. ENGL 104</td>
<td></td>
<td>Must have a grade of 'C' or better.</td>
</tr>
<tr>
<td>No AND B. Communication Rqnt 3hrs</td>
<td></td>
<td>Select from ENGL 203, 210; COMM 203, 205, 243.</td>
</tr>
</tbody>
</table>

unofficial evaluation

Area Mathematics (6.000 credits) - Not Met

<table>
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<tr>
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<th>Required Courses</th>
<th>Term Subject Course Title Attribute Credits Grade Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No A. Mathematics Rqnt 3hrs</td>
<td></td>
<td>[MATH] Select a course with the [MATH] attribute, excluding MATH 102-104, 130, 150, 165, 355, 366.</td>
</tr>
<tr>
<td>No AND B. Math/Logic Rqnt 3hrs</td>
<td></td>
<td>[MATH] Select a course with the [MATH] attribute, excluding MATH 102-104, 130, 150, 165, 355, 366.</td>
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</table>

unofficial evaluation

Area Life and Physical Sciences (9.000 credits) - Not Met

<table>
<thead>
<tr>
<th>Met Condition Rule Subject Attribute Low High Required Credits</th>
<th>Required Courses</th>
<th>Term Subject Course Title Attribute Credits Grade Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No A. Life/Physical Sciences 9hrs</td>
<td></td>
<td>Select 9 hours from any courses with the Life and Physical Sciences attribute [KLPS].</td>
</tr>
</tbody>
</table>

unofficial evaluation

Area: Foreign Language (14.000 credits) - Not Met

Description:
Some students may take fewer credits, depending on their prior proficiency in the language. Another language may be used if approved by major department advisor. Credits earned for the Bachelor of Arts requirement language requirement will not satisfy other core requirements.

<table>
<thead>
<tr>
<th>Met Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>No A. Arabic 14hrs</td>
</tr>
<tr>
<td>1. 8 hours. Take ARAB 101 and 102.</td>
</tr>
<tr>
<td>2. 6 hours. Take ARAB 201 and 202.</td>
</tr>
<tr>
<td>No OR B. Chinese 14hrs</td>
</tr>
<tr>
<td>1. 8 hours. Take CHIN 101 and 102.</td>
</tr>
<tr>
<td>2. 6 hours. Take CHIN 201 and 202.</td>
</tr>
</tbody>
</table>
11/18/2015

Detail Requirements

No ) OR ( C. French 14hrs
1. 8 hours. Take FREN 101 and 102.
2. 3 hours. Select from FREN 201 or 221.
3. 3 hours. Select from FREN 202 or 222.

No ) OR ( D. German 14hrs
1. 8 hours. Take GERM 101 and 102.
2. 3 hours. Select from GERM 201 or 221.
3. 3 hours. Select from GERM 202 or 222.

No ) OR ( E. Greek 14hrs
1. 8 hours. Take CLAS 101 and 102.
2. 3 hours. Take CLAS 211.
3. 3 hours. Select from CLAS 311 or 312.

No ) OR ( F. Italian 14hrs
1. 8 hours. Take ITAL 101 and 102.
2. 6 hours. Take ITAL 201 and 202.

No ) OR ( G. Japanese 14hrs
1. 8 hours. Take JAPN 101 and 102.
2. 6 hours. Take JAPN 201 and 202.

No ) OR ( H. Latin 14hrs
1. 8 hours. Take CLAS 121 and 122.
2. 6 hours. Take CLAS 221 and 222.

No ) OR ( I. Portuguese 14hrs
1. 8 hours. Take PORT 101 and 102.
2. 6 hours. Take PORT 201 and 202.

No ) OR ( J. Russian 14hrs
1. 8 hours. Take RUSS 101 and 102.
2. 6 hours. Select from RUSS 201, 202, 221, 222.

No ) OR ( K. Spanish 14hrs
1. 4 hours. Take SPAN 101.
2. 4 hours. Select from SPAN 102 or 140.
3. 3 hours. Select from SPAN 201 or 221.
4. 3 hours. Select from SPAN 202, 203 or 222.

) )

unofficial evaluation

Area Lang. Phil. Cult. & Cr. Arts (9.00 credits) - Not Met

<table>
<thead>
<tr>
<th>Met Condition</th>
<th>Rule Subject</th>
<th>Attribute Low</th>
<th>High Required</th>
<th>Credits</th>
<th>Required</th>
<th>Courses</th>
<th>Term Subject Course Title Attribute Credits Grade Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A. Creative 3hrs</td>
<td>Arts 3hrs</td>
<td>Select from any course with the Creative Arts (KCRA) attribute.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No AND</td>
<td>B. Lang. Phil. &amp; Cul 3hrs</td>
<td>3hrs</td>
<td>Select from any course with the Language, Philosophy, and Culture (KLPC) attribute.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No AND</td>
<td>C. Lang. Phil. Cul &amp; Cr. Art 3hrs</td>
<td>3hrs</td>
<td>Select from any course with the Language, Philosophy, and Culture (KLPC) attribute or with the Creative Arts (KCRA) attribute.</td>
<td></td>
<td></td>
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<td></td>
</tr>
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</table>

unofficial evaluation

Area Social and Behavioral Science (4.00 credits) - Not Met

<table>
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<tr>
<th>Met Condition</th>
<th>Rule Subject</th>
<th>Attribute Low</th>
<th>High Required</th>
<th>Credits</th>
<th>Required</th>
<th>Courses</th>
<th>Term Subject Course Title Attribute Credits Grade Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A. Social Science 3hrs</td>
<td>Science 3hrs</td>
<td>Select from any course with the Social and Behavioral Sciences (KSOC) attribute (except SOCI 100-499).</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No AND</td>
<td>B. Social Science 3hrs</td>
<td>3hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

https://compass-ssb.tamu.edu/pls/PROD/bwckapp.P_VerifyDispEvalViewOption

3/5
unofficial evaluation

**Area:** Citizenship (12.000 credits) - Not Met

**Description:** Completion of 4 semesters at Upper-Level ROTC may be substituted for 3 hours of American History and 3 hours of Political Science.

| Met | Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Courses |
|-----|--------------------------------------------------|--------------------------------------------------|
| No  | A. American History Reqmt 6hrs                   | Select from any course with the [KHIS] attribute. |
| No  | AND B. Political Science Reqmt 6hrs              | Take POLS 206 and POLS 207.                     |

Total Credits and GPA 0.000 .00

unofficial evaluation

**Area:** General Electives (19.000 credits) - Not Met

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition Rule Subject Attribute Low High Required Credits</th>
<th>Required Term Subject Course Title Attribute Credits Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A. PSAA 601</td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>AND B. PSAA 611</td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>AND C. PSAA 621</td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>AND D. General Electives IV 10hrs</td>
<td></td>
</tr>
</tbody>
</table>

10hrs any 100-499 (except SOCI).

*No more than 3 credits of SOCI not may count toward this requirement.*

Total Credits and GPA 0.000 .00

unofficial evaluation

**Area:** Work Not Applied - Met

**Description:** See advisor for acceptable substitutions.

| Met | Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Courses |
|-----|--------------------------------------------------|--------------------------------------------------|
| No  | A. Courses not applied                          |                                                          |

Total Credits and GPA 0.000 .00

unofficial evaluation

**Area:** University Writing Requirement - Not Met

| Met | Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Courses |
|-----|--------------------------------------------------|--------------------------------------------------|
| No  | A. Writing Requirement                           | Two courses required.                           |
|     | Only SOCI courses with the Writing attribute [UWRT] may be used to satisfy this requirement. |
|     | These courses may also be used to satisfy major requirements. |

Total Credits and GPA 0.000 .00

unofficial evaluation

**Area:** Int'l & Cult Diversity - Not Met

https://compass-ssb.tamu.edu/pls/PROD/bwcksapp.P_VerifyDispEvalViewOpOption
### Met Condition Rule Subject Attribute Low High Required Credits Courses

<table>
<thead>
<tr>
<th>No</th>
<th>A. Int'l &amp; Cultural Diversity 6hr</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Select from courses with the International and Cultural Diversity attribute (UICD. (except sections of BUSN 289 with the UWRT attribute).</td>
</tr>
</tbody>
</table>

| Total Credits and GPA | 0.000 .00 |

unofficial evaluation

### Area : Residence Requirement - Not Met

#### Description
A minimum of 36 hours of 300-400 level coursework must be completed at Texas A&M University. 12 hours must be in the major field.

#### Met Condition Rule Subject Attribute Low High Required Credits Courses

<table>
<thead>
<tr>
<th>No</th>
<th>A. Residence - Major 12hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>AND B. Residence - 300-499 24hrs</td>
</tr>
</tbody>
</table>

| Total Credits and GPA | 0.000 .00 |

unofficial evaluation

### Area : GPR-Major - Not Met

#### Description
A GPR of 2.00 must be maintained in all major field courses.

#### Met Condition Rule Subject Attribute Low High Required Credits Courses

<table>
<thead>
<tr>
<th>No</th>
<th>A. Major GPR 33+hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Includes SOCI 100-499 and all courses cross-listed with SOCI 100-499; BUSH 631, 632, 635; PSAA 630, and other PSAA elective or track requirements.</td>
</tr>
</tbody>
</table>

| Total Credits and GPA | 0.000 .00 |

unofficial evaluation

Back to Display Options

Print
CHANGE IN CURRICULUM
COLLEGE OF LIBERAL ARTS
DEPARTMENT OF SOCIOLOGY
BS IN SOCIOLOGY
Texas A&M University
Request for a Change in Curriculum
Undergraduate • Graduate • Professional

1. Program request type: ☑ Undergraduate □ Graduate □ First Professional (e.g., DVM, ID, MD, etc.)

2. Request change for: ☑ Degree Program □ Minor □ Certificate

3. Request submitted by (Department or Program Name): Department of Sociology

4. Program Designation and Name
   (e.g., B.A. in History, Minor in History, Certificate in European Union): Bachelor of Science in Sociology

5. Brief description of change:
   1. Remove BUSH 635, BUSH 636, SOCI 608, SOCI 616 from the list of acceptable major electives
   2. Remove superset 2
   3. Remove superset 4
   4. Remove PSAA 601, PSAA 611, PSAA 621, PSAA 622 or PSAA 634 from the list of acceptable general electives
   5. Add superset 4
   6. Change "degree" to "major" for how many credits of SOCI may apply to the major

6. Rationale for change:
   1. These are related to the 3+2 BS/MPSA program, not the standard BS.
   2. The note is unnecessary - PHIL 240 is listed under the KMTH link.
   3. This note is unnecessary - the link goes only to American History classes.
   4. These are related to the 3+2 BS/MPSA program, not the standard BS.
   5. Sociology is not allowing 6 credits of SOCI 484 to count toward general electives
   6. We are allowing 6 credits of SOCI 484 to count towards general electives.

Use the checkboxes below to make sure that all information is included.

7. a. Proposed curriculum attached. ☑ Yes □ No
   b. Current catalog curriculum with handwritten edits attached. ☑ Yes □ No
   c. Current Howdy degree evaluation with handwritten edits attached. ☑ Yes □ No

Please make sure the attached proposed curriculum, catalog and Howdy degree evaluation match.

8. a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes? □ Yes ☑ No
   b. If yes, degree program hours will change from: _________ to: _________
   c. If yes, is the Texas Higher Education Coordinating Board form attached? ☑ Yes □ No

   http://www.thecb.state.tx.us/index.cfm?objectid=A0P9F7FA-9A92-4F11-2756AD3B9F0D1D69

9. If proposed changes affect other unit(s), are letters of support attached? ☑ Yes □ No

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UCC/GC, January-Faculty Senate, February-Exstendent) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:

Jane Sell
Department Head or Program Chair (Type Name & Sign)

Date 11-18-15

Dean of College

Date 11-17-15

Chair, College Review Committee

Date 11-18-15

Chair, GC or UCC

Date

Questions regarding this form should be directed to Curricular Services at 845-8201 or sandra-williams@tamu.edu.
Curricular Services – 04/14
Changes
7. Remove the “a grade of C...” independent clause.
8. Include a writing intensive clause
9. Change number of required core science classes from 20 to 21

Reasons
7. This is redundant, the information is included under superscript 1.
8. The writing intensive requirements are university policy.
9. This is a typo – the BS requires 21 science credits.
SOCIOLOGY – Bachelor of Science

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 205</td>
<td>Introduction to Sociology (^1)</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 220</td>
<td>Methods of Social Research (^1)</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 230</td>
<td>Classical Sociological Theory (^1)</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 420</td>
<td>Advanced Methods of Social Research (^1)</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 430</td>
<td>Contemporary Sociological Theory (^1)</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 100-499(^1)</td>
<td></td>
<td>18</td>
</tr>
</tbody>
</table>

ENGL 104  Composition and Rhetoric \(^1\)  3 credits

Select one of the following:

- ENGL 203  Writing about Literature  3 credits
- ENGL 210  Technical and Business Writing  3 credits
- COMM 203  Public Speaking  3 credits
- COMM 205  Communication for Technical Professionals  3 credits
- COMM 243  Argumentation and Debate  3 credits

<table>
<thead>
<tr>
<th>Category</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Literature</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics</td>
<td>6</td>
</tr>
<tr>
<td>Life and Physical Sciences</td>
<td>21</td>
</tr>
<tr>
<td>Creative Arts</td>
<td>3</td>
</tr>
<tr>
<td>Language, Philosophy, and Culture</td>
<td>3</td>
</tr>
<tr>
<td>Creative Arts or Language, Philosophy, and Culture</td>
<td>3</td>
</tr>
<tr>
<td>Social and Behavioral Sciences(^2)</td>
<td>6</td>
</tr>
<tr>
<td>American History</td>
<td>6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 206</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>POLS 207</td>
<td>State and Local Government</td>
<td>3</td>
</tr>
</tbody>
</table>

International and Cultural Diversity\(^3\)  6 credits

General Electives\(^4\)  21 credits

\(^1\)A grade of C or better is required for credit.
2SOCI courses do not count toward fulfilling this requirement
3Courses may be used to satisfy any other requirement
4No more than 6 credits of SOCI 484 may count toward this requirement.

No more than 33 credits in SOCI may be applied to the major.

Other courses may qualify. Consult the approved list of courses available in the Undergraduate Services Office in the College of Liberal Arts or from departmental advisors. No more than one course may be counted in more than one category.

Please note that university requirements specify that all students must take at least two courses in their major that are designated as fulfilling a writing intensive requirement (W). See the section on general requirements for baccalaureate degrees for more information.
**SOCIOLOGY - BS**

- Home >
- Undergraduate Catalog >
- College of Liberal Arts >
- Sociology >
- Sociology - BS
- OVERVIEW
- PROGRAM REQUIREMENTS

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>SOCI 205</td>
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</tr>
<tr>
<td>SOCI 220</td>
<td>Methods of Social Research</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 230</td>
<td>Classical Sociological Theory</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 420</td>
<td>Advanced Methods of Social Research</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 430</td>
<td>Contemporary Sociological Theory</td>
<td>3</td>
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</table>

Select from the following: 18

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUSH 635</td>
<td>Quantitative Methods in Public Management II: Policy Analysis Emphasis</td>
<td></td>
</tr>
<tr>
<td>BUSH 636</td>
<td>Quantitative Methods II: Game Theory Emphasis</td>
<td></td>
</tr>
<tr>
<td>SOCI 100-SOCI 499</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOCI 608</td>
<td>Social Organization</td>
<td></td>
</tr>
<tr>
<td>SOCI 616</td>
<td>Political Sociology</td>
<td></td>
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</tbody>
</table>

**College and University Requirements**

Communication

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 104</td>
<td>Composition and Rhetoric</td>
<td>3</td>
</tr>
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</table>
Select one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>ENGL 203</td>
<td>Writing about Literature</td>
</tr>
<tr>
<td>ENGL 210</td>
<td>Technical and Business Writing</td>
</tr>
<tr>
<td>COMM 203</td>
<td>Public Speaking</td>
</tr>
<tr>
<td>COMM 205</td>
<td>Communication for Technical Professions</td>
</tr>
<tr>
<td>COMM 243</td>
<td>Argumentation and Debate</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Area</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Literature in English</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics</td>
<td>6</td>
</tr>
<tr>
<td>Life and physical sciences</td>
<td>2</td>
</tr>
<tr>
<td>Language, philosophy and culture</td>
<td>3</td>
</tr>
<tr>
<td>Creative arts</td>
<td>3</td>
</tr>
<tr>
<td>Language, philosophy and culture or Creative arts</td>
<td>3</td>
</tr>
<tr>
<td>Social and behavioral sciences</td>
<td>6</td>
</tr>
<tr>
<td>American history</td>
<td>6</td>
</tr>
<tr>
<td>POLS 206</td>
<td>American National Government</td>
</tr>
<tr>
<td>POLS 207</td>
<td>State and Local Government</td>
</tr>
<tr>
<td>International and cultural diversity</td>
<td>3</td>
</tr>
</tbody>
</table>

General electives

Select one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSAA 601</td>
<td>Fundations of Public Service</td>
</tr>
<tr>
<td>PSAA 611</td>
<td>Public Policy Formation</td>
</tr>
</tbody>
</table>
PSAA 621  Economic Analysis
PSAA 622  Public Finance
or PSAA 634 or Public Management
PSAA elective

Any 100-499 course (except SOC)  

Total Semester Credit Hours  120

1. A grade of C or better is required for credit.

2. Three hours may be PHIL 240.

3. SOCI courses do not count toward fulfilling this requirement.

4. Only American history courses fulfill this requirement.

5. Course may be used to satisfy any other requirement.

No more than 33 hours in sociology may be applied to the degree.

A grade of C or higher is required if a course is to be counted in the major field.

Other courses may qualify. Consult the approved list of courses available in the Undergraduate Student Services Office in the College of Liberal Arts or from departmental advisors. No more than one course may be counted in more than one category.

4. No more than 6 semester credit hours for SOCI 484 "may be applied to the Bachelor of Science degree in Sociology.

Please note that university requirements specify that all students must take at least two courses in their major that are designated as fulfilling a writing intensive requirement (iv). See the section on general requirements for baccalaureate degrees for more information.
Detail Requirements

Information for Degree Evaluation
This is NOT an official evaluation.

Program Evaluation

Limitation Correspondence: No more than 12 hours of correspondence earned through an accredited institution may be used for an undergraduate degree.

Limitation Combination: Maximum combination of 18 hours of 481, 482, 485 and/or 491 courses may be used for an undergraduate degree.

Limitation Only one course from MATH 141, 156 may be used in this degree program.

Limitation Only 14 hours of KINE 199; AEVS 100-499; MLSC 100-499; NVSC 100-499; SOMS 100-499 may be used in this degree program to include hours counted toward Residency.

Limitation Only 6 hours of SOCI 484 may be used in this program.

Program: B5 SOCI
Campus: College Station
College: Liberal Arts
Degree: Bachelor of Science
Level: Undergraduate
Majors: Sociology
Departments: Sociology
Catalog Term: Fall 2015 - College Station
Evaluation Term: Fall 2015 - College Station
Expected Graduation Date: 2
Request Number: 2
Results as of: Nov 18, 2015
Minors: Sociology
Concentrations: Sociology

Met Credits Courses

<table>
<thead>
<tr>
<th>Required</th>
<th>Used</th>
<th>Required</th>
<th>Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>120.00</td>
<td>0.00</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Other Course Information

Transfer: 0.000

0

This is NOT an official evaluation.

Area Major Coursework (33,000 credits) - Met

Met Condition Rule Subject Attribute Low High Required Credits Required Courses Term Subject Course Title Attribute Credits Grade Source

No A. SOCI 205 Must make a grade of "C" or better.
No AND B. SOCI 220 Must make a grade of "C" or better.
No AND C. SOCI 230 Must make a grade of "C" or better.
No AND D. SOCI 420 Must make a grade of "C" or better.
No AND E. SOCI 430 Must make a grade of "C" or better.
No AND F. SOCI Rept 18hrs Select from SOCI 300.
Must make a grade of "C" or better.

Total Credits and GPA 0.000 .30

unofficial evaluation

Area Communication (12,000 credits) - Not Met

https://compass-ssb.tamu.edu/pls/PROD/bwckcpp.P_VerifyDispEvalViewOption
### Unofficial Evaluation

#### Area Mathematics (6,000 credits) - Not Met

<table>
<thead>
<tr>
<th>Met Condition Rule Subject Attribute Low High Required Credits</th>
<th>Required Courses</th>
<th>Term Subject Course Title Attribute Credits Grade Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No A. Mathematics Reqnt 3hrs</td>
<td>Select any course with the [XMTH] attribute.</td>
<td></td>
</tr>
<tr>
<td>No AND B. Math/Logic Reqnt 3hrs</td>
<td>Select from MATH 200-209 any course with the [XMTH] attribute.</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits and GPA: 0.000 .60

#### Area Life and Physical Sciences (21,000 credits) - Not Met

<table>
<thead>
<tr>
<th>Met Condition Rule Subject Attribute Low High Required Credits</th>
<th>Required Courses</th>
<th>Term Subject Course Title Attribute Credits Grade Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No A. Science Reqnt 9hrs</td>
<td>Select any course with a [KLPS] attribute.</td>
<td></td>
</tr>
<tr>
<td>No AND C. Science Reqnt 12hrs</td>
<td>Select from the following courses: AGRO 304, 405, 445; ANSC 303-305, 318-320; ANPS 306-308, 334-336; BIOL 300-302, 300-302; BMTH 322-333, 334-336; CPSC 100-199, 200-203; ENSR 200-203; ENG 200-203; ENG 200-203; ENTR 200-203; FRC 200-203, 302-305, 307, 414; FSC 300-302, 312-313; GEN 300-403; GEOG 200-305, 308-309; GEOP 100-403; HORT 201, 302; INFO 316, 320, 410, 435, 456, 516; ISYS 303, 305, 307, 417; KINE 326-427, 433; MATH 100-203; MATH 100-203; METR 206-305; S35-403; MCR 100-403; MUCR 100-403; NUTR 100-403; OCS 300-403; PH 300-302, 305-307, 301-342; PHYS 300-403; PLPA 100-403; POSC 308, 411, 414; PSY 100-403, 305-403, 305-403; RENR 375-403, 305-403; RLME 315-316, 417-417; STAT 100-403; VB 305, 405; VTP 100-409; VTP 100-409; WSC 301-302, 311, 315, 401-403, 414, 417, 422. The following courses are excluded from this area: MATH 305-306 and NURS 250.</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits and GPA: 0.000 .00

#### Area Lang. Phil. Cult. & Cr. Arts (9,000 credits) - Not Met

<table>
<thead>
<tr>
<th>Met Condition Rule Subject Attribute Low High Required Credits</th>
<th>Required Courses</th>
<th>Term Subject Course Title Attribute Credits Grade Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No A. Creative Arts 3hrs</td>
<td>Select from any course with the Creative Arts [KCRA] attribute.</td>
<td></td>
</tr>
<tr>
<td>No AND B. Lang. Phil. &amp; Cul. 3hrs</td>
<td>Select from any course with the Language, Philosophy, and Culture [KLCPC] attribute.</td>
<td></td>
</tr>
<tr>
<td>No AND C. Lang. Phil. &amp; Cul. Art 3hrs</td>
<td>Select from any course with the Language, Philosophy, and Culture</td>
<td></td>
</tr>
</tbody>
</table>

https://compass-ssb.tamu.edu/pls/PROD/bwckcapp.P_VerifyDspEvalViewOption
unofficial evaluation

Area Social and Behavioral Science (5.000 credits) - Not Met
Met Condition Rule Subject Attribute Low High Required Required Course Term Subject Course Title Attribute Credits Courses Source
No A. Social Science 3hrs
Select from any course with the Social and Behavioral Sciences [KSOC] attribute (except SOCI 100-499).
No AND B. Social Science 3hrs
Select from any course with the Social and Behavioral Sciences [KSOC] attribute (except SOCI 100-499).

unofficial evaluation

Area: Citizenship (12.000 credits) - Not Met
Description Completion of 4 semesters of Upper-Level ROTC may be substituted for 3 hours of American History and 3 hours of Political Science.
Met Condition Rule Subject Attribute Low High Required Required Course Term Subject Course Title Attribute Credits Courses Source
No A. American History Reqmt 6hrs
Select from any course with the [K HIS] attribute.
No AND B. Political Science Reqmt 6hrs
Take POLS 205 and POLS 207.

unofficial evaluation

Area General Electives (21.000 credits) - Not Met
Met Condition Rule Subject Attribute Low High Required Required Course Term Subject Course Title Attribute Credits Courses Source
No A. General Electives 21hrs
Select any 100-499 course not used elsewhere, (ex. SOCI 100-499).

unofficial evaluation

Area: Work Not Applied - Met
Description See advisor for acceptable substitutions.
Met Condition Rule Subject Attribute Low High Required Required Course Term Subject Course Title Attribute Credits Courses Source
No A. Courses not applied

unofficial evaluation

Area University Writing Requirement - Not Met
Met Condition Rule Subject Attribute Low High Required Required Course Term Subject Course Title Attribute Credits Courses Source
No A. Writing Requirement

https://compass-ssb.tamu.edu/pls/PROD/bwckapp.P_VerifyDispEvalViewOption
Two courses required. Only sections of SOCI 205-206, 210-220, 315, 322, 327, 335, 420, 424-450, 489 with the Writing attribute (UWRT) may be used to satisfy this requirement.

**unofficial evaluation**

<table>
<thead>
<tr>
<th>Area</th>
<th>Int'l &amp; Cult Diversity - Not Met</th>
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<tbody>
<tr>
<td>Met Condition Rule Subject</td>
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</tr>
<tr>
<td>Attrtibute</td>
<td>Credits Courses</td>
</tr>
<tr>
<td></td>
<td>Term Subject Course Title Attribute</td>
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<tr>
<td>No</td>
<td>Int'l &amp; Cultural Diversity 6hr</td>
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<tr>
<td></td>
<td>Select from courses with the International and Cultural Diversity attribute (UICO) (except sections of BUSIN 289 with the UWRT attribute).</td>
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**unofficial evaluation**

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<td>No</td>
<td>Foreign Language Reqnt</td>
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<td>Complete one of the following:</td>
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<td></td>
<td>1. Two years of the same foreign language in High School,</td>
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<td>2. A two semester sequence of the same foreign language for</td>
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<td></td>
<td>University credit.</td>
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**unofficial evaluation**

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<tr>
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<th>Residence Requirement - Not Met</th>
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<tr>
<td>Description</td>
<td>A minimum of 36 hours of 300-400 level coursework must be completed at Texas A&amp;M University. 12 hours must be in the major field.</td>
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<td>Met Condition Rule Subject</td>
<td>Required Low High Required</td>
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<tr>
<td>Attrtibute</td>
<td>Credits Courses</td>
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<td>Term Subject Course Title Attribute</td>
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<td>No AND B. Residency - 300-499 24hrs</td>
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**unofficial evaluation**

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<th>GPR-Major - Not Met</th>
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<tr>
<td>Description</td>
<td>A GPR of 2.00 must be maintained in all major field courses.</td>
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<td>Met Condition Rule Subject</td>
<td>Required Low High Required</td>
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<td>Attrtibute</td>
<td>Credits Courses</td>
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<td></td>
<td>Term Subject Course Title Attribute</td>
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<tr>
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<td>Major GPR 33+ hrs</td>
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<td>Includes SOCI 100-499 and all courses cross-listed with SOCI 100-499.</td>
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**unofficial evaluation**

Back to Display Options

https://compass-ssb.tamu.edu/pls/PROD/bwckcpp.P_VerifyDispEvalViewOption
Change in Curriculum
College of Liberal Arts
Department of Sociology
BS in Sociology and MPSA - 3+2
Texas A&M University

Request for a Change in Curriculum
Undergraduate • Graduate • Professional

1. Program request type: ☑ Undergraduate □ Graduate □ First Professional (ex., DVM, JD, MD, etc.)

2. Request change for: ☑ Degree Program □ Minor □ Certificate

3. Request submitted by (Department or Program Name): Department of Sociology

Program Designation and Name:
(e.g., B.A. in History, Minor in History, Certificate in European Union): Bachelor of Science/Master of Public Service and Administration 3+2

4. Brief description of change:
   1. Change major elective and general elective details
   2. Remove superscript 3
   3. Remove superscript 4
   4. Change number of required core science classes from 20 to 21
   5. Change "degree" to "major" in the "No more than 33 hours in..." clause
   6. Remove "A grade of C or higher" clause
   7. Add writing intensive clause

5. Rationale for change:
   1. These are what the Bush School program has been using for some time.
   2. Two reasons: we have always accepted standard core math courses, and this is correct. MATH 150 and PHIL 240 are already part of the core curriculum. There is no need for this note in the catalog.
   3. This is redundant - the link goes only to American History classes.
   4. This is a typo - the BS requires 21 science credits.
   5. We are allowing 3 credits of SOCI 484 to count toward general electives.
   6. This is redundant, the information is included under superscript 1.
   7. This is university requirement

6. Use the checkboxes below to make sure that all information is included.

a. Proposed curriculum attached. ☑ Yes □ No

b. Current catalog curriculum with handwritten edits attached. ☑ Yes □ No

c. Current Howdy degree evaluation with handwritten edits attached. ☑ Yes □ No

Please make sure the attached proposed curriculum, catalog and Howdy degree evaluation match.

7. a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes? □ Yes ☑ No

b. If yes, degree program hours will change from: ________ to: ________

c. If yes, is the Texas Higher Education Coordinating Board form attached?
   http://www.thecb.state.tx.us/index.cfm?objectid=A0F9F7FA-9A92-4F11-2756AD3BBFF01D60
   □ Yes □ No

8. a. If proposed changes affect other unit(s), are letters of support attached? □ Yes □ No

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UCCGC, January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:

Jane Smith
Department Head or Program Chair (Type Name & Sign) Date 11-18-15

Dean of College Date 11-18-15

Chair, College Review Committee Date 11-18-15

Chair, GC or UCC

Questions regarding this form should be directed to Curricular Services at 845-8201 or sandra-william@tamu.edu.
Curricular Services – 04/14
**SOCIOLGY – 5 Year Bachelor of Science/Master of Public Service and Administration**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>SOCI 205</td>
<td>Introduction to Sociology&lt;sup&gt;1&lt;/sup&gt;</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 220</td>
<td>Methods of Social Research&lt;sup&gt;1&lt;/sup&gt;</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 230</td>
<td>Classical Sociological Theory&lt;sup&gt;1&lt;/sup&gt;</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 420</td>
<td>Advanced Methods of Social Research&lt;sup&gt;1&lt;/sup&gt;</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 430</td>
<td>Contemporary Sociological Theory&lt;sup&gt;1&lt;/sup&gt;</td>
<td>3</td>
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<tr>
<td>SOCI 100-499&lt;sup&gt;2&lt;/sup&gt;</td>
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<td>9</td>
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<tr>
<td>BUSH 631</td>
<td>Quantitative Methods in Public Management&lt;sup&gt;1&lt;/sup&gt;</td>
<td>3</td>
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<tr>
<td></td>
<td>One of the following: BUSH 632 or BUSH 635 or PSAA 630&lt;sup&gt;1&lt;/sup&gt;</td>
<td>3</td>
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<tr>
<td></td>
<td>Approved PSAA elective or track requirement&lt;sup&gt;1&lt;/sup&gt;</td>
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<td>ENGL 104</td>
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<td>ENGL 203</td>
<td>Writing about Literature</td>
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<tr>
<td>ENGL 210</td>
<td>Technical and Business Writing</td>
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<tr>
<td>COMM 203</td>
<td>Public Speaking</td>
<td></td>
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<tr>
<td>COMM 205</td>
<td>Communication for Technical Professionals</td>
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<tr>
<td>COMM 243</td>
<td>Argumentation and Debate</td>
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<tr>
<td></td>
<td>Literature</td>
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<td>Mathematics</td>
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<td>Life and Physical Sciences</td>
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<td>Creative Arts</td>
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<td>Language, Philosophy, and Culture</td>
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<td></td>
<td>Creative Arts or Language, Philosophy, and Culture</td>
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<tr>
<td></td>
<td>Social and Behavioral Sciences&lt;sup&gt;2&lt;/sup&gt;</td>
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<td>American History</td>
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<td>POLS 206</td>
<td>American National Government</td>
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<td>PSAA 611</td>
<td>Public Policy Formation</td>
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<tr>
<td>PSAA 621</td>
<td>Economic Analysis</td>
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</tbody>
</table>

1 A grade of C or better is required for credit.
2 SOCI courses do not count toward fulfilling this requirement
3 Courses may be used to satisfy any other requirement
4 No more than 6 credits of SOCI 484 may count toward this requirement.

No more than 33 credits in SOCI may be applied to the major.

Other courses may qualify. Consult the approved list of courses available in the Undergraduate Services Office in the College of Liberal Arts or from departmental advisors. No more than one course may be counted in more than one category.

Please note that university requirements specify that all students must take at least two courses in their major that are designated as fulfilling a writing intensive requirement (W). See the section on general requirements for baccalaureate degrees for more information.
### Sociological Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 205</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 220</td>
<td>Methods of Social Research</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 230</td>
<td>Classical Sociological Theory</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 420</td>
<td>Advanced Methods of Social Research</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 430</td>
<td>Contemporary Sociological Theory</td>
<td>3</td>
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</tbody>
</table>

**Sociology Electives**: 18

### College and University Requirements

**Communication**

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENGL 104</td>
<td>Composition and Rhetoric</td>
<td>3</td>
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Select one of the following: 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>ENGL 203</td>
<td>Writing about Literature</td>
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<td>ENGL 210</td>
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<td>COMM 203</td>
<td>Public Speaking</td>
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<td>COMM 205</td>
<td>Communication for Technical Professions</td>
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<tr>
<td>COMM 243</td>
<td>Argumentation and Debate</td>
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<td>Course Category</td>
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<td>Literature in English</td>
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<td>Mathematics</td>
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<td>Life and physical sciences</td>
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<td>Language, philosophy and culture</td>
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<td>Creative arts</td>
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<td>Language, philosophy and culture or Creative arts</td>
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<tr>
<td>Social and behavioral sciences</td>
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<tr>
<td>American history</td>
<td>6</td>
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<tr>
<td>POLS 206 American National Government</td>
<td>3</td>
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<tr>
<td>POLS 207 State and Local Government</td>
<td>3</td>
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<tr>
<td>International and cultural diversity</td>
<td>3</td>
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<tr>
<td>Electives</td>
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<tr>
<td><strong>Total Semester Credit Hours</strong></td>
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</table>

1. No more than 3 credit hours for SOCI 484 may be applied to the Bachelor of Science degree in Sociology.

2. A grade of C or better is required for credit.

3. At least 3 hours must be in MATH except MATH 102, MATH 150, MATH 365, and MATH 366. Three hours may be PHIL 240.

4. SOCI courses do not count toward fulfilling this requirement.

5. Only American history courses fulfill this requirement.

6. Course may be used to satisfy any other requirement.

No more than 33 hours in sociology may be applied to the degree.
A grade of C or higher is required if a course is to be counted in the major field.

Other courses may qualify. Consult the approved list of courses available in the Undergraduate Student Services Office in the College of Liberal Arts or from departmental advisors. No more than one course may be counted in more than one category.

Please note that university requirements specify that all students must take at least two courses in their major that are designated as fulfilling a writing intensive requirement (WI). See the section on general requirements for baccalaureate degrees for more information.
3+2 changes

SOC 100-499\textsuperscript{3} \& \textsuperscript{8} \hfill 9 credits

BUSH 631 \quad Quantitative Methods in Public Management \textsuperscript{1} \hfill 3 credits

One of the following: \quad BUSH 632 or BUSH 635 or PSAA 630\textsuperscript{1} \hfill 3 credits

Approved PSAA elective or track requirement\textsuperscript{1} \hfill 3 credits

---

General Electives\textsuperscript{4} \hfill 12 credits

PSAA 601 \quad Foundations of Public Service\textsuperscript{3} \hfill 3 credits

PSAA 611 \quad Public Policy Formation\textsuperscript{1} \hfill 3 credits

PSAA 621 \quad Economic Analysis\textsuperscript{1} \hfill 3 credits
Information for Degree Evaluation

This is NOT an official evaluation.

Program Evaluation

Limitation Correspondence: No more than 12 hours of correspondence earned through an accredited institution may be used for an undergraduate degree.

Limitation Combination: Maximum combination of 18 hours of 481, 482, 485 and/or 491 courses may be used for an undergraduate degree.

Limitation Only one course from MATH 141, 166 may be used in this degree program.

Limitation Only 13 hours of KINE 198-199, AERS 100-499; MLSC 100-499; NVSC 100-499; SOMS 100-499 may be used in this degree program to include hours counted toward Residency.

Limitation Only 3 hours of SOCI 484 may be used in this program.

Limitation No more than 33 hours of SOC can be applied to the degree.

<table>
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<tr>
<th>Program</th>
<th>BS SOCI - 3+2 Program</th>
<th>Catalog Term :</th>
<th>Fall 2015 - College Station</th>
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<td>Campus</td>
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This is NOT an official evaluation.

Area Major Coursework (33.000 credits) - Not Met

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<td>No</td>
<td>AND</td>
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<td>Appvd PSAA elec ar track rqt</td>
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</table>

https://compass-ssb.tamu.edu/pls/PROD/bwckcpp_P_VerifyDispEvalViewOption
unofficial evaluation

Area Communication (12.000 credits) - Not Met

<table>
<thead>
<tr>
<th>Met Condition Rule</th>
<th>Subject Attribute</th>
<th>Low High</th>
<th>Required Credits</th>
<th>Required Courses</th>
<th>Term Subject Course</th>
<th>Title Attribute</th>
<th>Credits</th>
<th>Grade Source</th>
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<tbody>
<tr>
<td>A. ENGL 104</td>
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</tbody>
</table>

Must have a grade of 'C' or better.

No AND B. Communication Rqnt 3hrs

Select from ENGL 203, 210; COMM 203, 205, 243.

No AND C. Literature Required 3hrs


Total Credits and GPA 0.000 .00

unofficial evaluation

Area Mathematics (6.000 credits) - Not Met

<table>
<thead>
<tr>
<th>Met Condition Rule</th>
<th>Subject Attribute</th>
<th>Low High</th>
<th>Required Credits</th>
<th>Required Courses</th>
<th>Term Subject Course</th>
<th>Title Attribute</th>
<th>Credits</th>
<th>Grade Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Mathematics Rqnt 3hrs</td>
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</tbody>
</table>

Select any course with the [KMTH] attribute.

No AND B. MathLogic Rqnt 3hrs

Select from PHIL 240 or any course with the [KMTH] attribute.

Total Credits and GPA 0.000 .00

unofficial evaluation

Area Life and Physical Sciences (21.000 credits) - Not Met

<table>
<thead>
<tr>
<th>Met Condition Rule</th>
<th>Subject Attribute</th>
<th>Low High</th>
<th>Required Credits</th>
<th>Required Courses</th>
<th>Term Subject Course</th>
<th>Title Attribute</th>
<th>Credits</th>
<th>Grade Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Science Rqnt 9hrs</td>
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</table>

Select any course with a [KLPS] attribute.

No AND C. Science Rqnt 12hrs

Select from the following courses: AGRO 304, 405, 445; ANSC 303-305, 318-320; ATM 204-244, 335-483; BCH 100-465; BIOL 300-403; BIFH 100-469; CHEM 227-238, 315-463; CPSC 100-495; DASC 312-313, 412; ENGR 203-283; ENTO 100-483; FRSC 203, 292-306, 307, 414; GSTC 205, 312, 313; GENBIO 320-403; GED 290, 306, 308, 483; GEDP 100-453; HORT 201; INFN 318, 322, 410, 435, 468; ISYS 303, 305, 417; KINE 426-431, 433; MATH 100-499; MEPS 100-499; METR 206-314, 335-483; MIGR 100-483; NUTR 100-483; OCNG 400-483; RHI 240, 305-307, 341-342; PHYS 300-499; PLPA 100-499; POSC 338, 411, 414; PHPY 100-499; RENR 375-483; RLEM 315-316, 417-419; STAT 100-499; VIBS 305, 404; VTPA 100-499; VTPA 100-499; WSC 301-302, 311, 315, 401-403, 414, 417, 422. The following courses are excluded from this area: MATH 365-366 and NUTR 289.

Total Credits and GPA 0.000 .00

unofficial evaluation

Area Lang. Phil. Cult. & Cr. Arts (9.000 credits) - Not Met

<table>
<thead>
<tr>
<th>Met Condition Rule</th>
<th>Subject Attribute</th>
<th>Low High</th>
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<th>Required Courses</th>
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</tbody>
</table>

https://compass-ssb.tamu.edu/pls/PROD/bwckcapp/P_VerifyDispEvalViewOption
Creative Arts 3hrs
Select from any course with the Creative Arts [KCRA] attribute.

Lang. Phil. & Cul. 3hrs
Select from any course with the Language, Philosophy, and Culture [KLPC] attribute.

Lang. Phil. Cul.& Cr. Art 3hrs
Select from any course with the Language, Philosophy, and Culture [KLPC] attribute or with the Creative Arts [KCRA] attribute.

Total Credits and GPA 0.000 .00

unofficial evaluation

Area Social and Behavioral Science (6.000 credits) - Not Met

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition Rule</th>
<th>Subject Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required Credits</th>
<th>Required Courses</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>No</th>
<th>A. Social Science 3hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Select from any course with the Social and Behavioral Sciences [KSOC] attribute (except SOCI 100-499).</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>No AND</th>
<th>B. Social Science 3hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Select from any course with the Social and Behavioral Sciences [KSOC] attribute (except SOCI 100-499).</td>
</tr>
</tbody>
</table>

Total Credits and GPA 0.000 .00

unofficial evaluation

Area Citizenship (12.000 credits) - Not Met

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition Rule</th>
<th>Subject Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required Required</th>
<th>Term Subject Course</th>
<th>Title Attribute Credits</th>
<th>Grade</th>
<th>Source</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>No</th>
<th>A. American History Reqmt 6hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Select from any course with the [KHIS] attribute.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>No AND</th>
<th>B. Political Science Reqmt 3hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Take POL 206 and POLS 207.</td>
</tr>
</tbody>
</table>

Total Credits and GPA 0.000 .00

unofficial evaluation

Area General Electives (21.000 credits) - Not Met

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition Rule</th>
<th>Subject Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required Required</th>
<th>Term Subject Course</th>
<th>Title Attribute Credits</th>
<th>Grade</th>
<th>Source</th>
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</table>

<table>
<thead>
<tr>
<th>No</th>
<th>A. PSAA 601</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>No</th>
<th>B. PSAA 011</th>
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</table>

<table>
<thead>
<tr>
<th>No AND</th>
<th>C. PSAA 621</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>No AND</th>
<th>D. General Electives IV 12hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Take any 100-499 (except SOCI 100-499)</td>
</tr>
</tbody>
</table>

We recommend no more than 3 credits of SOCI 484 may count toward this requirement.

Total Credits and GPA 0.000 .00

unofficial evaluation

Area Work Not Applied - Met

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition Rule</th>
<th>Subject Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required Required</th>
<th>Term Subject Course</th>
<th>Title Attribute Credits</th>
<th>Grade</th>
<th>Source</th>
</tr>
</thead>
</table>

| No | A. Courses not applied |

https://compass-ssb.tamu.edu/pls/PROD/bwckapp.P_VerifyDispEvalViewOpiton
unofficial evaluation

Area: University Writing Requirement - Not Met

Met Condition Rule Subject Attribute Low High Required Credits Required Courses Term Subject Course Title Attribute Credits Grade Source
No A. Writing Requirement
  Two courses required.
  Only SOCI courses with the Writing attribute [UWRT] may be used
to satisfy this requirement.
  These courses may also be used to satisfy major requirements.

unofficial evaluation

Area: Int'l & Cult Diversity - Not Met

Met Condition Rule Subject Attribute Low High Required Credits Required Courses Term Subject Course Title Attribute Credits Grade Source
No A. Int'l & Cultural Diversity 6hr
  Select from courses with the International and Cultural Diversity
  attribute [UICD] (except sections of BUSN 288 with the UWRT
  attribute).

unofficial evaluation

Area: Foreign Language - Not Met

Met Condition Rule Subject Attribute Low High Required Credits Required Courses Term Subject Course Title Attribute Credits Grade Source
No A. Foreign Language Reqmt
  Complete one of the following:
  1. Two years of the same foreign language in High School.
  2. A two semester sequence of the same foreign language for
     University credit.

unofficial evaluation

Area: Residence Requirement - Not Met

Description: A minimum of 36 hours of 300-400 level coursework must be completed at Texas A&M University. 12 hours must be in the major field.

Met Condition Rule Subject Attribute Low High Required Credits Required Term Subject Course Title Attribute Credits Grade Source Courses
No A. Residence - Major 12hrs
No AND B. Residence - 300-499 24hrs

unofficial evaluation

Area: GPR-Major - Not Met

Description: A GPR of 2.00 must be maintained in all major field courses.

Met Condition Rule Subject Attribute Low High Required Credits Required Term Subject Course Title Attribute Credits Grade Source Courses

unofficial evaluation

Back to Display Options
CHANGE IN CURRICULUM

COLLEGE OF LIBERAL ARTS

DEPARTMENT OF SOCIOLOGY

MINOR IN LATINA/O AND MEXICAN-AMERICAN STUDIES
Texas A&M University
Request for a Change in Curriculum
Undergraduate • Graduate • Professional

1. Program request type:  
   ☑ Undergraduate  □ Graduate  □ First Professional (e.g., DVM, JD, MD, etc.)

2. Request change for:
   □ Degree Program  ☑ Minor  □ Certificate

3. Request submitted by (Department or Program Name):
   Sociology

   Program Designation and Name
   (e.g., B.A. in History, Minor in History, Certificate in European Union):
   Minor in Latino/a and Mexican-American Studies

4. Brief description of change:
   We are adding course options for students. None of the options change the requirements for the minor. To List A, we are adding LMAS 201, Introduction to Latino/a and Mexican American Studies. To List B, we are adding SOCI 203, US-Mexico Border; POLS 306 Immigration and Political Theory, POLS 362 Latin American Political Thought, PSYC 208 Stereotypes, Prejudice, and Minority Experience, PSYC 299 Psychology of Culture and Diversity, and PSYC 303 Psychology of Women of Color.

5. Rationale for change:
   We created two lower division courses for the minor, LMAS 201 and SOCI 203 because the minor did not include a sufficient number of lower division courses. We are also adding courses from Political Science and Psychology that are similar to many other courses in the minor but that are not currently included. Both changes will make it easier for more students to enroll in the minor and complete the requirements without changing the requirements.

6. Use the checkboxes below to make sure that all information is included.
   a. Proposed curriculum attached.  ✔Yes  □No
   b. Current catalog curriculum with handwritten edits attached.  ✔Yes  □No
   c. Current Howdy degree evaluation with handwritten edits attached.  ✔Yes  □No

7. a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes?  □Yes  ✔No
   b. If yes, degree program hours will change from:  to:
   c. If yes, is the Texas Higher Education Coordinating Board form attached?  □Yes  □No

   http://www.thecb.state.tx.us/index.cfm?objectid=A0F9F7FA-9A92-4F11-2756AD3BBF01D60

8. If proposed changes affect other unit(s), are letters of support attached?  ✔Yes  □No

9. Important note: Curriculum changes submitted through the approval process and fully approved by February (December-UCC/GC, January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:

Jane Sell  10-30-2015  Dean of College  11-15-15
Department Head or Program Chair (Type Name & Sign)  Date  Date

Nancy  11-16-15  Chair, College Review Committee  11-16-15
Chair, College Review Committee  Date  Date

Questions regarding this form should be directed to Curricular Services at 845-8201 or sundra.williams@tamu.edu
Curricular Services – 04/14

RECEIVED  NOV 20 2015
CURRICULAR SERVICES
Select at least 6 hours from the following: 1, 2
ENGL 362/HISP 362 Latino/a Literature
HISP 363 Borderlands: U.S. and Mexico
HIST 307 Latino Communities of the U.S.
POLS 304 Latino Polit.cs in the United States
SOCI 403 Sociology of Latinos
SPAN 412 Hispanic Writers in the U.S.
LMAS 201 Introduction to Latino/a and Mexican American Studies

Select the remaining hours from the following: 2
AFST 325 Africana Humanities
ANTH 303 Archaeology of the American Southwest
COMM 407/WGST 407 Women, Minorities and the Mass Media
GEOG 323 Geography of Latin America
HISP 204 Spanish and Spanish American Literature in Translation
HIST 258 American Indian History
HIST 304 Mexican-American Frontier to 1848
HIST 305 Mexican-American History 1848-Present
HLTH 236 Race, Ethnicity and Health
PHIL 283 Latin American Philosophy
POLS 306 Contemporary Political Problems and Issues
POLS 362 Latin American Political Thought
PSYC 208 Stereotypes, Prejudice, and Minority Experience
PSYC 209 Psychology of Culture and Diversity
PSYC 303 Psychology of Women of Color
SOCI 203 U.S.-Mexico Border
SOCI 217 Introduction to Race and Ethnicity
SOCI 337 International Migration
SOCI 402 Sociology of Latin America
SPAN 450 Contemporary Spanish and Spanish-American Literature
TEFB 273 Introduction to Culture, Community, Society and Schools

1 The two courses (6 hours) from the first area must come from two departments.
2 Students will select 18 hours total from both lists with a minimum of 9 hours at the upper-division level (300- and 400-level).
Students must earn a C or higher in each course to be counted in the minor field.
Latino/a and Mexican-American Studies - Minor

- Home >
- Undergraduate Catalog >
- College of Liberal Arts >
- Sociology >
- Latino/a and Mexican-American Studies - Minor

- Overview
- Program Requirements

Select at least 6 hours from the following: 1, 2

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ENGL 362</td>
<td>Latino/a Literature</td>
</tr>
<tr>
<td>HISP 363</td>
<td>Borderlands: U.S. and Mexico</td>
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<tr>
<td>HIST 307</td>
<td>Latino Communities of the U.S.</td>
</tr>
<tr>
<td>POLS 304</td>
<td>Latino Politics in the United States</td>
</tr>
<tr>
<td>SOCI 403</td>
<td>Sociology of Latinos</td>
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<tr>
<td>SPAN 412</td>
<td>Hispanic Writers in the U.S.</td>
</tr>
</tbody>
</table>

Total Semester Credit Hours: 6

Select the remaining hours from the following: 2

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>AFST 325</td>
<td>Africana Humanities</td>
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<tr>
<td>ANTH 303</td>
<td>Archaeology of the American Southwest</td>
</tr>
<tr>
<td>COMM 407</td>
<td>Women, Minorities and the Mass Media</td>
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<tr>
<td>GEOG 323</td>
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<td>HISP 204</td>
<td>Spanish and Spanish American Literature in Translation</td>
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<td>HIST 258</td>
<td>American Indian History</td>
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<tr>
<td>HIST 304</td>
<td>Mexican-American Frontier to 1848</td>
</tr>
<tr>
<td>HIST 305</td>
<td>Mexican-American History 1848-Present</td>
</tr>
<tr>
<td>HLTH 236</td>
<td>Race, Ethnicity and Health</td>
</tr>
<tr>
<td>PHIL 283</td>
<td>Latin American Philosophy</td>
</tr>
<tr>
<td>POLS 306</td>
<td>Contemporary Political Problems and Issues</td>
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<td>POLS 362</td>
<td>Latin American Political Thought</td>
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<tr>
<td>SOCI 203</td>
<td>U.S.-Mexico Border</td>
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<td>SOCI 217</td>
<td>Introduction to Race and Ethnicity</td>
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<td>International Migration</td>
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<td>SPAN 450</td>
<td>Contemporary Spanish and Spanish-American Literature</td>
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<tr>
<td>TEFB 273</td>
<td>Introduction to Culture, Community, Society and Schools</td>
</tr>
</tbody>
</table>

Total Semester Credit Hours: 12

1 The two courses (6 hours) from the first area must come from two departments.

2 Students will select 18 hours total from both lists with a minimum of 9 hours at the upper-division level (300- and 400-level).

Students must earn a C or higher in each course to be counted in the minor field.
 Term Subject Course Title Attribute Credits Grade Source

Total Credits and GPA 0.000 0.00

Term Subject Course Title Attribute Credits Grade Source

- PSYC 203, PSYC 204, PSYC 404
- PSYC 305, PSYC 306

Total Credits and GPA 0.000 0.00

Term Subject Course Title Attribute Credits Grade Source

- PSYC 203, PSYC 204, PSYC 404
- PSYC 305, PSYC 306

Total Credits and GPA 0.000 0.00

Term Subject Course Title Attribute Credits Grade Source

- PSYC 203, PSYC 204, PSYC 404
- PSYC 305, PSYC 306

Total Credits and GPA 0.000 0.00

Term Subject Course Title Attribute Credits Grade Source

- PSYC 203, PSYC 204, PSYC 404
- PSYC 305, PSYC 306

Total Credits and GPA 0.000 0.00

Term Subject Course Title Attribute Credits Grade Source

- PSYC 203, PSYC 204, PSYC 404
- PSYC 305, PSYC 306

Total Credits and GPA 0.000 0.00

Term Subject Course Title Attribute Credits Grade Source

- PSYC 203, PSYC 204, PSYC 404
- PSYC 305, PSYC 306

Total Credits and GPA 0.000 0.00

Term Subject Course Title Attribute Credits Grade Source

- PSYC 203, PSYC 204, PSYC 404
- PSYC 305, PSYC 306

Total Credits and GPA 0.000 0.00

Term Subject Course Title Attribute Credits Grade Source

- PSYC 203, PSYC 204, PSYC 404
- PSYC 305, PSYC 306

Total Credits and GPA 0.000 0.00

Term Subject Course Title Attribute Credits Grade Source

- PSYC 203, PSYC 204, PSYC 404
- PSYC 305, PSYC 306

Total Credits and GPA 0.000 0.00

Term Subject Course Title Attribute Credits Grade Source

- PSYC 203, PSYC 204, PSYC 404
- PSYC 305, PSYC 306

Total Credits and GPA 0.000 0.00

Term Subject Course Title Attribute Credits Grade Source

- PSYC 203, PSYC 204, PSYC 404
- PSYC 305, PSYC 306

Total Credits and GPA 0.000 0.00

Term Subject Course Title Attribute Credits Grade Source

- PSYC 203, PSYC 204, PSYC 404
- PSYC 305, PSYC 306

Total Credits and GPA 0.000 0.00

Term Subject Course Title Attribute Credits Grade Source

- PSYC 203, PSYC 204, PSYC 404
- PSYC 305, PSYC 306

Total Credits and GPA 0.000 0.00

Term Subject Course Title Attribute Credits Grade Source

- PSYC 203, PSYC 204, PSYC 404
- PSYC 305, PSYC 306

Total Credits and GPA 0.000 0.00

Term Subject Course Title Attribute Credits Grade Source

- PSYC 203, PSYC 204, PSYC 404
- PSYC 305, PSYC 306

Total Credits and GPA 0.000 0.00

Term Subject Course Title Attribute Credits Grade Source

- PSYC 203, PSYC 204, PSYC 404
- PSYC 305, PSYC 306

Total Credits and GPA 0.000 0.00

Term Subject Course Title Attribute Credits Grade Source

- PSYC 203, PSYC 204, PSYC 404
- PSYC 305, PSYC 306

Total Credits and GPA 0.000 0.00

Term Subject Course Title Attribute Credits Grade Source

- PSYC 203, PSYC 204, PSYC 404
- PSYC 305, PSYC 306

Total Credits and GPA 0.000 0.00

Term Subject Course Title Attribute Credits Grade Source

- PSYC 203, PSYC 204, PSYC 404
- PSYC 305, PSYC 306

Total Credits and GPA 0.000 0.00

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- PSYC 203, PSYC 204, PSYC 404
- PSYC 305, PSYC 306

Total Credits and GPA 0.000 0.00

Term Subject Course Title Attribute Credits Grade Source

- PSYC 203, PSYC 204, PSYC 404
- PSYC 305, PSYC 306

Total Credits and GPA 0.000 0.00

Term Subject Course Title Attribute Credits Grade Source

- PSYC 203, PSYC 204, PSYC 404
- PSYC 305, PSYC 306

Total Credits and GPA 0.000 0.00

Term Subject Course Title Attribute Credits Grade Source

- PSYC 203, PSYC 204, PSYC 404
- PSYC 305, PSYC 306

Total Credits and GPA 0.000 0.00

Term Subject Course Title Attribute Credits Grade Source

- PSYC 203, PSYC 204, PSYC 404
- PSYC 305, PSYC 306

Total Credits and GPA 0.000 0.00

Term Subject Course Title Attribute Credits Grade Source

- PSYC 203, PSYC 204, PSYC 404
- PSYC 305, PSYC 306

Total Credits and GPA 0.000 0.00

Term Subject Course Title Attribute Credits Grade Source

- PSYC 203, PSYC 204, PSYC 404
- PSYC 305, PSYC 306
CHANGE IN CURRICULUM
COLLEGE OF SCIENCE
DEPARTMENT OF MATHEMATICS
BS IN UNIVERSITY STUDIES - MATHEMATICS FOR BUSINESS CONCENTRATION
Texas A&M University  
Request for a Change in Curriculum  
Undergraduate • Graduate • Professional

1. Program request type:  
☑ Undergraduate  □ Graduate  □ First Professional (e.g., DVM, JD, MD, etc.)

2. Request change for:  
☑ Degree Program  □ Minor  □ Certificate

3. Request submitted by (Department or Program Name):  
Department of Mathematics

4. Program Designation and Name:  
(e.g., B.A. in History, Minor in History, Certificate in European Union):  
B.S. in University Studies - Mathematics for Business Concentration

5. Brief description of change:  
*To replace STAT 212 with MATH 251 or MATH 221 as a required Area of Concentration course.  
*To change the Language, Philosophy and Culture requirement to, "Select from any 200-499 course with the [KLPC] attribute."

6. Rationale for change:  
*MATH 251 or MATH 221 is a prerequisite for MATH 308 and several upper-level MATH courses.  
*To make the LPC requirement the same as all other MATH degree plans.

---

Use the checkboxes below to make sure that all information is included.

7. a. Proposed curriculum attached.  
☑ Yes  □ No

    b. Current catalog curriculum with handwritten edits attached.  
☑ Yes  □ No

    c. Current Howdy degree evaluation with handwritten edits attached.  
☑ Yes  □ No

    *Please make sure the attached proposed curriculum, catalog and Howdy degree evaluation match.

8. a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes?  
□ Yes  ☑ No

    b. If yes, degree program hours will change from:  
□ N/A

    c. If yes, is the Texas Higher Education Coordinating Board form attached?  
□ Yes  □ No

http://www.thecb.state.tx.us/index.cfm?objectid=A0F9F7FA-9A92-4F11-2756AD3BBFF01D60

9. If proposed changes affect other unit(s), are letters of support attached?  
□ Yes  ☑ No

---

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UCO/GC, January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:

Dr. Paulo Lima-Filho  
Department Head or Program Chair (Type Name & Sign)  
Date: 10/30/15

Dear of College  
Date: 11-3-15

Chair, College Review Committee  
Date: 11/2/15

Chair, GC or UCC  
Date: 

Questions regarding this form should be directed to Curricular Services at 845-8201 or laurel.williams@tamu.edu.
University Studies - BS, Mathematics for Business Concentration

Home >
Undergraduate Catalog>
College of Science >
University Studies Programs >
University Studies - BS, Mathematics for Business Concentration

The Bachelor of Science in University Studies, Mathematics for Business area of concentration consists of courses that are designed to give students who are both interested in business and mathematically inclined a way to combine both interests.

MATH 220  Foundations of Mathematics I 3
MATH 308  Differential Equations 1 3
MATH 325  The Mathematics of Interest 3
MATH 425  The Mathematics of Contingent Claims 3
STAT 211  Principles of Statistics I 3
STAT 212  Principles of Statistics II 3
MATH 304  Linear Algebra 1 3
or MATH 323  or Linear Algebra 3
MATH 442  Mathematical Modeling 3
or STAT 408  or Introduction to Linear Models 3

University and College Requirements
ENGL 104 3

Communication
Select one of the following:
COMM 203  Public Speaking 3
COMM 205  Communication for Technical Professions 3
COMM 243  Argumentation and Debate 3

Mathematics
MATH 151  Engineering Mathematics I 1 4
or MATH 171  or Analytic Geometry and Calculus 4
MATH 152  Engineering Mathematics II 1 4
or MATH 172  or Calculus 4

Life and physical sciences
Language, philosophy and culture (with ENGL prefix) 3
Creative arts 3
Social and behavioral sciences 3
American history 6

POLS 206  American National Government 2 3
POLS 207  State and Local Government 2 3
Minor 1 15-18
Minor 2 15-18
General Electives 3 16-22

Total Semester Credit Hours 120

1Must make a grade of 'C' or better.
2Completion of four semesters of upper-level ROTC may be substituted for three hours of the requirement.
3Hours must be in 100-499 courses not used elsewhere.

4 Select 3 hours from any 200-499 level course.
Detail Requirements

Information for Degree Evaluation

This is NOT an official evaluation.

Program Evaluation

Limitation Correspondence: No more than 12 hours of correspondence earned through an accredited institution may be used for an undergraduate degree.

Limitation Combination: Maximum combination of 18 hours of 481, 482, 485 and/or 491 courses may be used for an undergraduate degree.

<table>
<thead>
<tr>
<th>Program</th>
<th>BS US5C-Math for Business</th>
<th>Catalog Term :</th>
<th>Fall 2015 - College Station</th>
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<tr>
<td>Campus</td>
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<td>Evaluation Term :</td>
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<td>Level</td>
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<td>Results as of :</td>
<td>Oct 30, 2015</td>
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<td>Departments</td>
<td>College of Science</td>
<td>Concentrations :</td>
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<table>
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<tr>
<th>Met Credits</th>
<th>Courses</th>
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<tbody>
<tr>
<td>Required</td>
<td>Used</td>
</tr>
<tr>
<td>120.00</td>
<td>0.00</td>
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</tbody>
</table>

Total Required : 120.00
Program GPA : .00
Overall GPA : 2.00
Other Course Information
Transfer : 0.00

This is NOT an official evaluation.

Area : Concentration Field of Study (24.000 credits) - Not Met

| Met | Condition Rule | Subject Attribute Low High Required Term Subject Course Title Attribute Credits Courses |
|-----|----------------|---------------------------------|---------------------------------------|-----------------------------|-----------------------------|
| No  | A.             | MATH 220                        | Must make a grade of 'C' or better.  |                             |                             |
| No  | AND            | B.                             | MATH 308                              | Must make a grade of 'C' or better. |                             |
| No  | AND            | C.                             | MATH 325                              |                             |                             |
| No  | AND            | D.                             | MATH 425                              |                             |                             |
| No  | AND            | E.                             | STAT 211                              |                             |                             |
| No  | AND            | F.                             | STAT 212 or MATH 251 or MATH 221     |                             |                             |
| No  | AND            | G.                             | Linear Algebra 3hrs                   | Select from MATH 304, 323, 325. | Must make a grade of 'C' or better. |
| No  | AND            | H.                             | Math Models 3hrs                      | Select from MATH 442; STAT 408. |                             |

Total Credits and GPA : 0.00

unofficial evaluation
### Detail Requirements

**Area: Communication (6.000 credits) - Not Met**

<table>
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<tr>
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<th>Condition Rule</th>
<th>Subject</th>
<th>Attribute</th>
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<th>Required</th>
<th>Term Subject</th>
<th>Course Title</th>
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</table>

ENSL 104
Communication Elect 3hrs
Select from COMM 203, 205, or 243.

Total Credits and GPA 0.000

**unofficial evaluation**

### Area: Mathematics (8.000 credits) - Not Met

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<th>Condition Rule</th>
<th>Subject</th>
<th>Attribute</th>
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<th>Required</th>
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MATH Rqmt I 4hrs
Select from MATH 151, 171.
Must make a grade of 'C' or better.

MATH Rqmt II 4hrs
Select from MATH 152, 172.
Must make a grade of 'C' or better.

Total Credits and GPA 0.000

**unofficial evaluation**

### Area: Life and Physical Sciences (9.000 credits) - Not Met

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition Rule</th>
<th>Subject</th>
<th>Attribute</th>
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<th>Required</th>
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</table>

Life/Physical Sciences 9hrs
Select 9 hours from any courses with the Life and Physical Sciences attribute [KUPS].

Total Credits and GPA 0.000

**unofficial evaluation**

### Area: Language, Philosophy & Culture (3.000 credits) - Not Met

<table>
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<tr>
<th>Met</th>
<th>Condition Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required</th>
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</tbody>
</table>

Language, Philosophy & Culture
Select from any Language, Philosophy and Culture [K CPC] course with an ENGL prefix.
Select from any 200-499 course with the [K CPC] attribute.

Total Credits and GPA 0.000

**unofficial evaluation**

### Area: Creative Arts (3.000 credits) - Not Met

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
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</tbody>
</table>

Creative Arts Requirement
Select three hours from any course with the Creative Arts attribute [KCRA].

Total Credits and GPA 0.000

**unofficial evaluation**

---

https://compass-ssb.tamc.edu/pls/PROD/bwckapp.P.VerifyDispEvalViewOption
unofficial evaluation

**Area : Social and Behavioral Sciences ( 3.000 credits ) - Not Met**

**Met**

<table>
<thead>
<tr>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required</th>
<th>Required</th>
<th>Term</th>
<th>Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>Social Science Rqmt 3hrs</td>
<td>Select from courses with the Social and Behavioral Science attribute [PSDC].</td>
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</tbody>
</table>

unofficial evaluation

**Area : Citizenship ( 12.000 credits ) - Not Met**

**Description :** Completion of 4 semesters of Upper-Level ROTC may be substituted for 3 hours of American History and 3 hours of Political Science.

**Met**

<table>
<thead>
<tr>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required</th>
<th>Required</th>
<th>Term</th>
<th>Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>American History Rqmt 6hrs</td>
<td>Select from any course with the [KHS] attribute.</td>
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<tr>
<td>No</td>
<td>AND</td>
<td>B.</td>
<td>Political Science Rqmt 6hrs</td>
<td>Take POLS 206 and POLS 207.</td>
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unofficial evaluation

**Area : General Electives ( 52.000 credits ) - Not Met**

**Met**

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<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required</th>
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<th>Term</th>
<th>Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>General Electives 52hrs</td>
<td>Includes 30-36 hours of courses that were used to satisfy the two minor requirements and 16-22 hours of 100-499 courses not used elsewhere.</td>
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</table>

unofficial evaluation

**Area : Work Not Applied - Met**

**Description :** See advisor for acceptable substitutions.

**Met**

<table>
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<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
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<th>Credits</th>
<th>Courses</th>
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<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>Courses not applied</td>
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unofficial evaluation
### University Studies Minor Rqmt - Not Met

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<th>No</th>
<th>A. Required Minor</th>
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<tr>
<td></td>
<td>Two university approved minors are required for this degree program. This area ensures completion of minors and will be removed once an application for degree has been submitted.</td>
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</table>

| Total Credits and GPA | 0.000 |

#### Unofficial Evaluation

### University Writing Requirement - Not Met

<table>
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<tr>
<th>No</th>
<th>A. Writing Requirement</th>
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<tbody>
<tr>
<td></td>
<td>Two courses required. Only sections 100-499 courses with the Writing attribute [UWRT] or Communication attribute [UCRT] may be used to satisfy this requirement.</td>
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</table>

| Total Credits and GPA | 0.000 |

#### Unofficial Evaluation

### Int'l & Cult Diversity - Not Met

<table>
<thead>
<tr>
<th>No</th>
<th>A. Int'l &amp; Cultural Diversity 6hr</th>
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<tbody>
<tr>
<td></td>
<td>Select from courses with the International and Cultural Diversity attribute [UICD] (except sections of BUSN 269 with the UWRT attribute).</td>
</tr>
</tbody>
</table>

| Total Credits and GPA | 0.000 |

#### Unofficial Evaluation

### Foreign Language - Not Met

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<tr>
<th>No</th>
<th>A. Foreign Language Rqmt</th>
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<tbody>
<tr>
<td></td>
<td>Complete one of the following: 1. Two years of the same foreign language in High School, 2. A two semester sequence of the same foreign language for University credit.</td>
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</table>

| Total Credits and GPA | 0.000 |

#### Unofficial Evaluation

### Residence Requirement - Not Met

<table>
<thead>
<tr>
<th>No</th>
<th>A. Residence - Major 12hrs</th>
</tr>
</thead>
</table>

| Total Credits and GPA | 0.000 |

#### Unofficial Evaluation
Includes MATH 304, 308, 325, 425, 442; STAT 408. Must be taken in residence at Texas A&M University.

A. Residence 300-499 74hrs
Includes any 300-499 taken in residence at Texas A&M University.

B. Residency 300-499 74hrs
Includes any 300-499 taken in residence at Texas A&M University.

unofficial evaluation

Area : GPR-Major - Not Met
Description : A GPR of 2.00 must be maintained in all major field courses.

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
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<th>Required</th>
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<tr>
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<td>Major GPR 24+hrs</td>
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<td>Includes MATH 220, 304, 308, 333, 325, 425, 442; STAT 211-221, 407.</td>
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unofficial evaluation

Back to Display Options

Total Credits and GPA

MATH 251

Total Credits and GPA

Print
CHANGE IN CURRICULUM

COLLEGE OF SCIENCE

DEPARTMENT OF MATHEMATICS

BS IN UNIVERSITY STUDIES - MATHEMATICS FOR TEACHING
Texas A&M University
Request for a Change in Curriculum
Undergraduate ♦ Graduate ♦ Professional

1. Program request type:
   ☑ Undergraduate  ☐ Graduate  ☐ First Professional (ex., DVM, JD, MD, etc.)

2. Request change for:
   ☑ Degree Program  ☐ Minor  ☐ Certificate

3. Request submitted by (Department or Program Name):
   Department of Mathematics

4. Program Designation and Name
   (e.g., B.A. in History, Minor in History, Certificate in European Union):
   B. S. in University Studies - Math for Teaching Concentration

5. Brief description of change:
   *To change Language, Philosophy and Culture requirement to, "Select from any 200-499 course with the [KLPC] attribute."

6. Rationale for change:
   *To make the LPC requirements the same as all other MATH degree plans.

---

Use the checkboxes below to make sure that all information is included.

7. a. Proposed curriculum attached.  ☑ Yes  ☐ No

   b. Current catalog curriculum with handwritten edits attached.  ☑ Yes  ☐ No

   c. Current Howdy degree evaluation with handwritten edits attached.  ☑ Yes  ☐ No

   Please make sure the attached proposed curriculum, catalog and Howdy degree evaluation match.

8. a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes?  ☐ Yes  ☑ No

   b. If yes, degree program hours will change from: __________ to: __________

   c. If yes, is the Texas Higher Education Coordinating Board form attached?

http://www.thecb.state.tx.us/index.cfm?objectid=A0F9F7FA-9A92-4F11-2756AD3BBFF01D60  ☐ Yes  ☐ No

9. If proposed changes affect other unit(s), are letters of support attached?  ☐ Yes  ☑ No

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UCC/GC, January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:
Dr. Paulo Lima-Filho  10/27/15

Department Head or Program Chair (Type Name & Sign)  Date

Chair, College Review Committee  10-28-15

Dean of College  Date

Chair, GC or UCC  10-28-15

Date

Questions regarding this form should be directed to Curricular Services at 845-8201 or sandra-williams@tamu.edu.
Curricular Services – 04/14
University Studies - BS, Mathematics for Teaching Concentration

The BS in University Studies, Mathematics for Teaching area of concentration consists of courses that are designed to give students desiring a secondary-school teaching credential a solid foundation in mathematics. In particular, the courses chosen encompass the mathematical areas tested by the State of Texas and TExES secondary mathematics examination. These are the courses currently required for the secondary mathematics teaching field at Texas A&M University.

**Course List:**
- **MATH 220** Foundations of Mathematics 1 
- **MATH 375** Intermediate Real Analysis 1 
- **MATH 376** Intermediate Abstract Algebra 1 
- **MATH 403** Mathematics and Technology 1 
- **MATH 467** Modern Geometry 1 
- **STAT 211** Principles of Statistics I 1 
- **MATH 304** Linear Algebra 1

**or MATH 323 or Linear Algebra**

University and College Requirements

**Communication**
- Mathematics

Select one of the following:
- **MATH 151** Engineering Mathematics I
- **MATH 147** Calculus I for Biological Sciences
- **MATH 171** Analytic Geometry and Calculus

Select one of the following:
- **MATH 152** Engineering Mathematics II
- **MATH 148** Calculus II for Biological Sciences
- **MATH 172** Calculus

**PHYS 218** Mechanics

**Life and physical sciences**
- **Language, philosophy and culture**
- **Creative arts**
- **Social and behavioral sciences**
- **American history**

- **POLS 206** American National Government 2
- **POLS 207** State and Local Government 2
- **Minor 1**
- **Minor 2**
- **General Electives 3**
- **Total Semester Credit Hours**

1. Make a grade of 'C' or better.
2. Completion of four semesters of upper-level ROTC may be substituted for three hours of the requirement.
3. Hours of 100-499 courses not used elsewhere.

4. Select 3 hours from any 200-499 level course.
Detail Requirements

Information for Degree Evaluation

This is NOT an official evaluation.

Program Evaluation

Limitation Correspondence: No more than 12 hours of correspondence earned through an accredited institution may be used for an undergraduate degree.

Limitation Combination: Maximum combination of 18 hours of 481, 482, 485 and/or 491 courses may be used for an undergraduate degree.

Limitation Mathematics: No more than 3 hours may be used from Math 141 or 166 in this degree plan.

Limitation Mathematics: Only one course may be used from; Math 121, 131, 142, 151 or 171 in this degree plan.

<table>
<thead>
<tr>
<th>Program</th>
<th>BS USCC-Math for Teaching</th>
<th>Catalog Term</th>
<th>Fall 2015 - College Station</th>
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</thead>
<tbody>
<tr>
<td>Campus</td>
<td>College Station</td>
<td>Evaluation Term</td>
<td>Fall 2015 - College Station</td>
</tr>
<tr>
<td>College</td>
<td>Science</td>
<td>Expected Graduation Date</td>
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<td>Bachelor of Science</td>
<td>Request Number</td>
<td>3</td>
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<td>Results as of</td>
<td>Oct 23, 2015</td>
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<td>Majors</td>
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<td>Minors</td>
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<td>Departments</td>
<td>College of Science</td>
<td>Concentrations</td>
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<tr>
<th>Met Courses</th>
<th>Required</th>
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<tr>
<td>Total Required :</td>
<td>No</td>
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<td>Program GPA :</td>
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<td>Other Course Information</td>
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<td>0.000</td>
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</table>

This is NOT an official evaluation.

Area : Concentration Field of Study ( 21,000 credits ) - Not Met

Met Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Courses

<table>
<thead>
<tr>
<th>No</th>
<th>AND</th>
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<th>MATH 220</th>
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<tr>
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<th>No</th>
<th>AND</th>
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<th>MATH 375</th>
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<table>
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<tr>
<th>No</th>
<th>AND</th>
<th>C.</th>
<th>MATH 379</th>
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<table>
<thead>
<tr>
<th>No</th>
<th>AND</th>
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<th>STA 211</th>
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<table>
<thead>
<tr>
<th>No</th>
<th>AND</th>
<th>G.</th>
<th>Linear Algebra 3hrs</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>Select from MATH 304, 323.</td>
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<td>Mus: make a grade of &quot;C&quot; or better.</td>
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**unofficial evaluation**

**Area: Communication (6.000 credits) - Not Met**

<table>
<thead>
<tr>
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<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required</th>
<th>Required</th>
<th>Term</th>
<th>Subject</th>
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<th>Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Courses</th>
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<tbody>
<tr>
<td>No</td>
<td>A.</td>
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<td>Communication Requirement</td>
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<td>Select 6 hours from any courses with the Communication attribute [KCOM].</td>
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**unofficial evaluation**

**Area: Mathematics (6.000 credits) - Not Met**

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<th>Attribute</th>
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<th>Courses</th>
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<tbody>
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<td>MATH Reqmt I 4hrs</td>
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<td>Select from MATH 151, 147, 171.</td>
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<tr>
<td>No</td>
<td>AND</td>
<td>B.</td>
<td>MATH Reqmt II 4hrs</td>
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<td></td>
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<td></td>
<td>Select from MATH 152, 148, 172.</td>
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**unofficial evaluation**

**Area: Life and Physical Sciences (9.000 credits) - Not Met**

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<th>Courses</th>
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<tbody>
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<td>PHYS 218 4hrs</td>
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<tr>
<td>No</td>
<td>AND</td>
<td>B.</td>
<td>Science Requirement 5hrs</td>
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<td></td>
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<td></td>
<td>Select from any course with the Life and Physical Sciences [KLPS] attribute.</td>
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**unofficial evaluation**

**Area: Language, Philosophy & Culture (3.000 credits) - Not Met**

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<th>Attribute</th>
<th>Low</th>
<th>High</th>
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<th>Attribute</th>
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<th>Courses</th>
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<td>Language, Philosophy &amp; Culture</td>
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<td></td>
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<td></td>
<td>Select from any Language, Philosophy and Culture [KRPC] course with an ENGL prehr.</td>
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**unofficial evaluation**

https://compass-ssb.tamu.edu/pls/PROD/bwckcapp.PVerifyDispEvalViewOption 10/22/2015
## Detail Requirements

### Creative Arts (3.000 credits) - Not Met

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<th>Required</th>
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<th>Attribute</th>
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<th>Courses</th>
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<tbody>
<tr>
<td>A</td>
<td>Creative Arts</td>
<td>Requirement</td>
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Select three hours from any course with the Creative Arts attribute (KCRA).

**Total Credits and GPA**: 0.000

### Social and Behavioral Science (3.000 credits) - Not Met

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<th>Required</th>
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<th>Attribute</th>
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<th>Courses</th>
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<tbody>
<tr>
<td>A</td>
<td>Social Science</td>
<td>Rqmt 3hrs</td>
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</table>

Select from INST 210, 222 or SOCI 217.

**Total Credits and GPA**

### Citizenship (12.000 credits) - Not Met

**Description**: Completion of 4 semesters of Upper-Level ROTC may be substituted for 3 hours of American History and 3 hours of Political Science.

<table>
<thead>
<tr>
<th>No</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required</th>
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<th>Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Courses</th>
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</thead>
<tbody>
<tr>
<td>A</td>
<td>American History</td>
<td>Rqmt 6hrs</td>
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<td></td>
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<td></td>
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Select from any course with the [KHIS] attribute.

| No | AND | B  | Political Science | Rqmt 6hrs |  |  |  |  |  |  |  |  |

Take POLS 206 and POLS 207.

**Total Credits and GPA**

### General Electives (55.000 credits) - Not Met

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<th>Subject</th>
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<th>Required</th>
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<th>Course Title</th>
<th>Attribute</th>
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<th>Courses</th>
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<td>A</td>
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</table>

Includes 30-36 hours of courses that were used to satisfy the two minor requirements and 19-25 hours of 100-499 courses not used elsewhere.

**Total Credits and GPA**: 0.000

### Work Not Applied - Met

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<th>No</th>
<th>Subject</th>
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<th>Attribute</th>
<th>Credits</th>
<th>Courses</th>
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<td>A</td>
<td>Courses not applied</td>
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**Total Credits and GPA**

---


10/23/2015
unofficial evaluation

**Area:** University Studies Minor Rqmt - Not Met  
**Met**  
**Condition** Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Courses

<table>
<thead>
<tr>
<th>No</th>
<th>A. Required Minor</th>
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<tbody>
<tr>
<td></td>
<td>Two university approved minors are required for this degree program. This area ensures completion of minors and will be removed once an application for degree has been submitted.</td>
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Total Credits and GPA 0.000

unofficial evaluation

**Area:** University Writing Requirement - Not Met  
**Met**  
**Condition** Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Courses

<table>
<thead>
<tr>
<th>No</th>
<th>A. Writing Requirement</th>
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<tbody>
<tr>
<td></td>
<td>Two courses required. Only sections 100-499 courses with the Writing attribute [UWRT] or Communication attribute [UCRT] may be used to satisfy this requirement.</td>
</tr>
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</table>

Total Credits and GPA 0.000

unofficial evaluation

**Area:** Int'l & Cult Diversity - Not Met  
**Met**  
**Condition** Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Courses

<table>
<thead>
<tr>
<th>No</th>
<th>A. Int'l Cultural Diversity 6hr</th>
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<tbody>
<tr>
<td></td>
<td>Select from courses with the International and Cultural Diversity attribute [UCD] (except sections of BUUS 269 with the UWRT attribute).</td>
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Total Credits and GPA 0.000

unofficial evaluation

**Area:** Foreign Language - Not Met  
**Met**  
**Condition** Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Courses

<table>
<thead>
<tr>
<th>No</th>
<th>A. Foreign Language Rqmt</th>
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</thead>
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<tr>
<td></td>
<td>Complete one of the following: 1. Two years of the same foreign language in High School. 2. A two semester sequence of the same foreign language for University credit.</td>
</tr>
</tbody>
</table>

Total Credits and GPA 0.000

unofficial evaluation

https://compass-ssb.tamu.edu/pls/PROD/bwckcapp.P_VerifyDispEvalViewOption  
10/23/2015
Area: Residence Requirement - Not Met

Description: A minimum of 36 hours of 300-400 level coursework must be completed at Texas A&M University. 12 hours must be in the major field.

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
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<th>Term</th>
<th>Subject</th>
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<th>Courses</th>
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</thead>
<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>Residence - Major 12hrs</td>
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<td>Residence 300-499 24hrs</td>
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<tr>
<td></td>
<td></td>
<td>Includes MATH 304, 375-376, 403, 467.</td>
<td>Must be taken in residence at Texas A&amp;M University.</td>
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<td></td>
<td>Includes any 300-499 taken in residence at Texas A&amp;M University.</td>
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unofficial evaluation

Area: GPR-Major - Not Met

Description: A GPR of 2.50 must be maintained in all major field courses.

<table>
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<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
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<th>Required</th>
<th>Required</th>
<th>Term</th>
<th>Subject</th>
<th>Course</th>
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<th>Attribute</th>
<th>C</th>
<th>Credits</th>
<th>Courses</th>
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</thead>
<tbody>
<tr>
<td>No</td>
<td>A.</td>
<td>Major GPR 21+hrs</td>
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<td>Includes MATH 220, 304, 308, 323, 325, 425, 442; STAT 211-212, 408.</td>
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</table>

unofficial evaluation

Back to Display Options

1

Print
TExAS A&M U_nIVERSITY
at G_ALVESTON
TAMUG
New Courses
Texas A&M University  
Departmental Request for a New Course 
Undergraduate • Graduate • Professional  
* Submit original form and attach a course syllabus.*

Form Instructions

1. Course request type:  
   - ☑ Undergraduate  
   - □ Graduate  
   - □ First Professional (DDS, MD, JD, PharmD, DVM)

2. Request submitted by (Department or Program Name):  
   Department of Liberal Studies
   DIVE 250 SCUBA DIVING I

3. Course prefix, number and complete title of course:

4. Catalog course description (not to exceed 50 words):
   Fundamental academic knowledge and practical application of safe SCUBA diving practices and theory; introduction to diving tables and diving physiology.

5. Prerequisite(s): **Must complete a medical statement showing no contraindications to diving, or have a recreational scuba diving certificate.**
   
   Cross-listed with:  
   Stacked with:  

   Cross-listed courses require the signature of both department heads.

6. Is this a variable credit course?  
   - ☐ Yes  
   - ☑ No  
   If yes, from _____ to _____

7. Is this a repeatable course?  
   - ☐ Yes  
   - ☑ No  
   If yes, this course may be taken _____ times.

8. Will this course be repeated within the same semester?  
   - ☐ Yes  
   - ☑ No

9. Will this course be submitted to the Core Curriculum Council?  
   - ☑ Yes  
   - ☐ No

10. How will this course be graded:  
    - ☑ Grade  
    - □ S/U  
    - □ P/F (CLRD)

11. This course will be:  
    a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)
    b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)
    c. any degree program

12. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

13. Prefix:  
   - DIVE  
   - 250  
   - SCUBA DIVING I

   Course #:  
   Title (excluding punctuation):  

<table>
<thead>
<tr>
<th>Lect.</th>
<th>Lab</th>
<th>Other</th>
<th>SCH</th>
<th>CIP and Fund Code</th>
<th>Admin. Unit</th>
<th>Acad. Year</th>
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</table>

   Approval recommended by:  
   Department Head or Program Chair (Type Name & Sign)  
   Date:  

   Chair, College Review Committee  
   Date:

   Department Head or Program Chair (Type Name & Sign)  
   (if cross-listed course)  
   Date:  

   Dean of College  
   Date:  

   Submitted to Coordinating Board by:  
   Chair, GC or UCC  
   Date:

   Effective Date:  

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu.
Curricular Services – 67/14
From page 1:

5. Prerequisites:

**Must complete a medical statement showing no contraindications to diving, or have a recreational scuba diver’s physical examination.
Justification to develop a new prefix and realign the Diving program at TAMUG

The diving courses were originally aligned with the General Academics degree program due to the State and University level requirement for Physical Education. The physical education component was designated as KINE and the theoretical component was listed as MAST (Maritime Studies) to be as broad based as possible. The diving program truly spans all academic disciplines at the Galveston campus. To create more campus visibility and help clarify the courses offerings, we inquired with TAMU Curricular Services if it would be acceptable to use DIVE as a prefix and house these courses all together in one section of the catalog. The proposal was reviewed and agreed to by all TAMUG academic departments as well as the Aquanautics Operations personnel.

In addition, we would like to change the CIP code for all courses in this program to more accurately reflect the professional nature of this program. In consultation with Jeff Pitts, the Assistant Director of Data & Research Services, it was determined that the most appropriate CIP code would be 49.0304.0012, Diver, Professional and Instructor. The previous CIP Code 36.0108.00 13 is listed under leisure and recreational activities and does not indicate the theoretical and professional depth of this curricula.

**Title:** Diver, Professional and Instructor.

**Definition:** A program that prepares individuals to apply technical knowledge and skills to function as professional deep-water or scuba divers, diving instructors, or diving support personnel. Includes instruction in the use of diving equipment and related specialized gear; diving safety procedures; operation and maintenance of underwater life-support systems; underwater communication systems; decompression systems; underwater salvage; exploration, rescue, and photography; and installation and fitting of underwater mechanical systems and their maintenance, repair or demolition.

To align this program, we request to delete the following courses from the course inventory:

- MAST 110, 120, 330, 331, 357, 457

To replace the course deletions, we request to add the following courses to the inventory:

- DIVE 250, 251, 330, 331, 357, 457
Texas A&M University at Galveston  
DIVE 250 SCUBA DIVING I  
Fall 2016

Instructor: Sara Williams  
Office: PE 104  
Office Phone: 409-740-4928  
Fax#: 409-741-4074  
Email: williams@tamug.edu

OFFICE HOURS: MW 0900-1030 or by appointment

CLASS MEETING SITES:
Lecture: CLB 114 (MW 1100-1150)
Labs:
TAMUG Pool or GPEF 119/Gymnasium (in inclement weather)
LAB (W) 1500-1700- Bosquez, J.
LAB (R) 1645-1845- Bosquez, J.

LEARNING OUTCOMES:
1. Memorize knowledge required to utilize compressed air as a breathing medium.
2. Identify safe diving through additional experience and practice underwater.
3. Demonstrate comfort, coordination, and strength in the water.
4. Examine various diving systems and equipment.
5. Defend established safe diving principles
6. Develop strategies to increase safety and comfort in a variety of diving environments.

COURSE DESCRIPTION:
Fundamental academic knowledge and practical application of safe SCUBA diving practices and theory; introduction to diving tables and diving physiology.

PREREQUISITES:
1. Must complete a medical statement showing no contraindications to diving, or have a recreational scuba diver’s physical examination.

Required textbook and resource materials:
SDI Open Water Kit: Includes Open Water Manual, TDI US Navy Dive Tables, Student Record Folder and SDI Training Logbook, UW Timing Device, Mask, Fins, Booties, and Snorkel

GRADING POLICY
Open Water Diver Exam 30%
E-learning online 20%
Midterm 30%
Quizzes/Homework 20%

GRADING SCALE:
90 – 100 = A
80 – 89 = B
70 – 79 = C
60 – 69 = D
Below 60 = F
SCUBA CERTIFICATION:
Certification as a diver involves classroom instruction, independent study, practice in confined water and open water evaluation. Participation in the open water certification field trip is a required portion of the course. Certifications will be awarded only when training agency standards and prerequisites have been met; this certification is completely independent of course grade. An unexcused lecture or lab ABSENCE will prevent the student from earning certifications.

ATTENDANCE POLICY

The University views class attendance as an individual student responsibility. All students are expected to attend class and to complete all assignments. Attendance is a critical component of all diving classes and is essential to learning a skill. Additionally due to the skill progressions found in teaching activities, it is crucial, for safety reasons, to require regular attendance. The instructor is under no obligation to provide an opportunity for the student to make up work missed because of an unauthorized absence. After 10 minutes the student is considered absent.

Excused absences, as defined in Rule 7 of the Texas A&M University Student Rules, http://www.tamug.edu/stulife/Academic_Rules/7_Attendance.html will not result in any point deduction, however written documentation will be required to receive an excused absence. The student is responsible for providing satisfactory evidence to the instructor to substantiate the reason for the absence. Among the reasons absences are considered excused by the university are the following:

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2) Death or major illness in a student's immediate family.
3) Illness of a dependent family member.
4) Participation in legal proceedings or administrative procedures that require a student's presence.
5) Religious holy day. NOTE: Prior notification is NOT required. http://oef.tamu.edu/content/religious-observance
6) Injury or illness that is too severe or contagious for the student to attend class.
   a) Injury or illness of three or more class days: Student will provide a medical confirmation note from his or her medical provider within one week of the last date of the absence (see Student Rules 7.1.6.1)
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      (i) Texas A&M University Explanatory Statement for Absence from Class form available at http://attendance.tamu.edu
      (ii) Confirmation of visit to a health care professional affirming date and time of visit.
   c) An absence for a non-acute medical service does not constitute an excused absence.
7) Required participation in military duties.
8) Mandatory admission interviews for professional or graduate school that cannot be rescheduled.
9) Mandatory participation as a student-athlete in NCAA-sanctioned competition.
10) In accordance with Title IX of the Educational Amendments of 1972, Texas A&M University shall treat pregnancy (childbirth, false pregnancy, termination of pregnancy and recovery therefrom) and related conditions as a justification for an excused absence for so long a period of time as is deemed medically necessary by the student’s physician. Requests for excused absence related to pregnancy should be directed to the instructor. Other absences may be excused at the discretion of the instructor with prior notification and proper documentation.

ATTENTION STUDENTS:
1. It is the responsibility of the student to inform his/her instructor if they have a condition that may impair or influence participation in an activity class (e.g., physical handicap, allergies, use of medications, etc.)
2. Should you become unable to participate in your regular activity class, contact your instructor immediately.
3. The courses in which you have elected to participate are either required as a part of your major or elected. Regardless of the case, you must realize that there is a certain assumption of risk in which you engage when you participate in activity classes such as these. You must be aware of this assumption.

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The Americans with Disabilities Act (ADA) is a federal non-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this law requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Counseling Office, Seibell Student Center, or call (409) 740-4587. For additional information visit http://www.tamug.edu/courses/Disabilities.html

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For many years, Aggies have followed a Code of Honor, which is stated in this very simple verse: "Aggies do not lie, cheat, or steal, in nor do they tolerate those who do." As such, it is the responsibility of students and faculty members to help maintain scholastic integrity at the university by refusing to participate in or tolerate scholastic dishonesty. The Aggie Code of Honor and the Scholastic Dishonesty sections in the TAMUG University Rules handbook will be standards upon which scholastic integrity is maintained. http://www.tamug.edu/HonorSystem

FAMILY EDUCATIONAL AND RIGHTS TO PRIVACY ACT (FERPA)
FERPA is a federal law designed to protect the privacy of educational records by limiting access to these records, to establish the right of students to inspect and review their educational records and to provide guidelines for the correction of inaccurate and misleading data through informal and formal hearings. To obtain a listing of directory information or to place a hold on or all of this information, please consult the Admissions & Records Office.

Items that can never be identified as public information are a student’s social security number or institutional identification number, citizenship, gender, grades, GPR or class schedule. All efforts will be made in this class to protect your privacy and to ensure confidential treatment of information associated with or generated by your participation in the class.

STATEMENT ON COURSE EVALUATIONS
The PIC (Personized Instructor/Course Appraisal) is an online course evaluation for Texas A&M. We highly encourage you to complete an evaluation for each course on your schedule. Student input is a critical component used to improve curriculum and teaching. Each faculty member values your input to improve his/her methodology. Your
<table>
<thead>
<tr>
<th>WEEK</th>
<th>LECTURE TOPICS</th>
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<tbody>
<tr>
<td>1</td>
<td>Introduction to SDI Open Water Course, review required materials</td>
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<tr>
<td>2</td>
<td>Diving Equipment</td>
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<td>Quiz 1 Diving Equipment</td>
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<td>Diving Physics/Physiology</td>
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<td>15</td>
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<tr>
<td>15</td>
<td>Last Day of Class</td>
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</table>
Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
- Submit original form and attach a course syllabus.

Form Instructions

1. Course request type:
   - ☑ Undergraduate
   - ☐ Graduate
   - ☐ First Professional (DDS, MD, JD, PharmD, DVM)

2. Request submitted by (Department or Program Name): Department of Liberal Studies

3. Course prefix, number and complete title of course:
   DIVE 251 SCUBA DIVING II

4. Catalog course description (not to exceed 50 words):
   Methods to promote safe, self reliant diving and improve the diver's comfort, coordination and strength in the water; to build competency in dive planning and organization.

5. Prerequisite(s):
   **Medical statement showing no contraindications to diving, or have a recreational scuba diver's physical examination. Open Water certification from a nationally recognized training agency. Please Ask Author.**
   - Cross-listed with:
   - Stacked with:
   Cross-listed courses require the signature of both department heads.

6. Is this a variable credit course?
   - ☐ Yes
   - ☑ No
   If yes, from _____ to _____

7. Is this a repeatable course?
   - ☐ Yes
   - ☑ No
   If yes, this course may be taken _____ times.

8. Will this course be repeated within the same semester?
   - ☐ Yes
   - ☑ No

9. Will this course be submitted to the Core Curriculum Council?
   - ☐ Yes
   - ☑ No

10. How will this course be graded?
    - ☑ Grade
    - ☐ S/U
    - ☐ P/F (CLMD)

11. This course will be:
    a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)
    b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)
    any degree program

12. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with those departments. Attach approval letters.

13. Prefix | Course # | Title (excluding punctuation)
  DIVE 251 | SCUBA DIVING II

<table>
<thead>
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<th>Lect.</th>
<th>Lab</th>
<th>Other</th>
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</table>

Approval recommended by:

Department Head or Program Chair (Type Name & Sign) Date

Chair, College Review Committee

Date

Dean of College

Date

Submitted to Coordinating Board by:

Chair, GC or UCC

Date

Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services - 07/14
From page 1:

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Justification to develop a new prefix and realign the Diving program at TAMUG

The diving courses were originally aligned with the General Academics degree program due to the State and University level requirement for Physical Education. The physical education component was designated as KINE and the theoretical component was listed as MAST (Maritime Studies) to be as broad as possible. The diving program truly spans all academic disciplines at the Galveston campus. To create more campus visibility and help clarify the courses offerings, we inquired with TAMU Curricular Services if it would be acceptable to use DIVE as a prefix and house these courses all together in one section of the catalog. The proposal was reviewed and agreed to by all TAMUG academic departments as well as the Aquanautics Operations personnel.

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MAST 110, 120, 330, 331, 357, 457

To replace the course deletions, we request to add the following courses to the inventory:
DIVE 250, 251, 330, 331, 357, 457
Texas A&M University at Galveston
SCUBA DIVING II
DIVE 251
Fall 2016

Instructor: Joe Bosquez
Office: SAGC 511
Office Phone: 409-741-4067
Fax#: 409-741-4074
Email: bosquezj@tamug.edu

OFFICE HOURS: MW 0900-1030 or by appointment

CLASS MEETING SITES:
Lecture: CLB 114 (MW 1100-1150)

Labs:
TAMUG Pool or GPEF 110/Gymnasium (in inclement weather)
LAB (W) 1500-1700- Euresti, V.
LAB (R) 1645-1845- Bosquez, J.

COURSE DESCRIPTION:
Methods to promote safe, self-reliant diving and improve the diver’s comfort, coordination and strength in the water; to build competency in dive planning and organization.

PREREQUISITES:
1. Medical statement showing no contraindications to diving, or have a recreational scuba diver’s physical examination.
2. Open Water certification from a nationally recognized training agency
3. Divers Alert Network (DAN) Insurance (or equivalent)

MATERIALS/BOOKS REQUIRED:
- SDI Advanced Adventurer Diver Kit (Includes: Advanced Adventurer Student Manual w/ Knowledge Quest (KQ), SDI Night, Navigation and Limited visibility manual w/ KQ, SDI Deeper Diving with Dive computer manual w/ KQ, Plastic EAD Table and US Navy Air Deco table)
- TDI Nitrox Manual Student Kit w/ KQ
- Log Book
- Diving Insurance- obtained by the student at student expense, by second week of class. Details to be discussed on first day of class.

OTHER REQUIRED MATERIALS:
UW Timing Device, Cutting Device, UW Slate, Whistle, 1 Dive Light (2 recommended), Wetsuit, Mask, Fins, Booties, and Snorkel

GRADING FOR DIVE 251
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<tr>
<th>Component</th>
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<td>SDI Advanced Adventure Diver Exam</td>
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<td>Swim Test</td>
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<td>TDI Understanding Nitrox Exam</td>
<td>25%</td>
<td>Advanced Skills</td>
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<tr>
<td>Quizzes/Homework</td>
<td>20%</td>
<td>Pool/ Open water Gear Maintenance</td>
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<tr>
<td>LAB GRADE</td>
<td>30%</td>
<td>Nitrox Skills</td>
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</table>
GRADING SCALE:
90 – 100 = A
80 – 89 = B
70 – 79 = C
60 – 69 = D
Below 60 = F

LEARNING OUTCOMES/OBJECTIVES:
1. Describe knowledge required to utilize Nitrox as a breathing medium.
2. Use diving equipment to navigate and complete underwater tasks.
3. Identify safe diving through additional experience and practice underwater.
4. Describe knowledge required to utilize compressed air as a breathing medium.
5. Demonstrate increased comfort, coordination, and strength in the water.
6. Compare several diving environments for comfort and challenge

GRADING SCALE:
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SCUBA CERTIFICATION:
Certification as a diver involves classroom instruction, independent study, practice in confined water and open water evaluation. Participation in the open water certification field trip is a required portion of the course. Certifications will be awarded only when training agency standards and prerequisites have been met; this certification is completely independent of course grade. An unexcused lecture or lab ABSENCE will prevent the student from earning certifications.

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ATTENTION STUDENTS:
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</tr>
<tr>
<td>1</td>
<td>Review Dive Planning, Introduce ODIGTML</td>
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<tr>
<td>2</td>
<td>Dive Tables</td>
</tr>
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<td>Dive Tables</td>
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<tr>
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<td>Gas Management SDI Deep Diving CH.2 &amp; 3</td>
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<tr>
<td>3</td>
<td>SDI Deep Diving CH.7, 8 &amp; 9</td>
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<tr>
<td>4</td>
<td>SDI N&amp;N CH. 1 &amp; 4</td>
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<tr>
<td>4</td>
<td>SDI N&amp;N CH. 5 &amp; 6</td>
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<td>5</td>
<td>SDI N&amp;N CH. 7</td>
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<td>5</td>
<td>TDI Nitrox CH.1 Nitrox History</td>
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<td>6</td>
<td>TDI Nitrox CH.2 Principles of Pressure</td>
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<td>6</td>
<td>TDI Nitrox CH.3 Physiological Effects of Pressure</td>
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<td>7</td>
<td>TDI Nitrox CH.5 Nitrox Concepts</td>
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<td>TDI Nitrox CH.6 Nitrox Dive Planning EAD</td>
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<td>8</td>
<td>TDI Nitrox CH.7 Nitrox Dive Planning MOD, Best Mix, T formula</td>
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<td>8</td>
<td>Gear Checklist/ Review Open Water Weekend</td>
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<td>9</td>
<td>Open water recap</td>
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<td>9</td>
<td>Calculate CNS% from OWW</td>
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<td>10</td>
<td>Nitrox Review</td>
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<td>10</td>
<td>Nitrox Exam</td>
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<tr>
<td>11</td>
<td>Lift Bag Calculations</td>
</tr>
<tr>
<td>11</td>
<td>Review Nitrox Exam</td>
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<td>12</td>
<td>SDI AA CH.6 &amp; 8</td>
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<td>12</td>
<td>SDI AA CH.11 &amp; 12</td>
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<td>Review for Final</td>
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<td>15</td>
<td>Advance Final Exam</td>
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<td>15</td>
<td>Last Day of Class</td>
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</tbody>
</table>
Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
Submit original form and attach a course syllabus.

1. Course request type: ☑ Undergraduate ☐ Graduate ☐ First Professional (EDD, MD, JD, PharmD, DPM)

2. Request submitted by (Department or Program Name): Department of Liberal Studies

3. Course prefix, number and complete title of course: DIVE 330 RESCUE DIVING

4. Catalog course description (not to exceed 50 words):
Relates skills necessary to perform basic life support, administer dive first aid, evacuate victim, assist/rescue other divers in water; illustrate proper dive planning; practice accident prevention and effective accident management.

5. Prerequisite(s): ☑ Must complete a medical statement showing no contraindications to diving, or have a recreational scuba diving certification. ☑ Dive or scuba diving certification. ☐ Other

Cross-listed with: Stacked with:

Cross-listed courses require the signatures of both department heads.

6. Is this a variable credit course? ☐ Yes ☑ No If yes, from _____ to _____

7. Is this a repeatable course? ☐ Yes ☑ No If yes, this course may be taken _____ times.

8. Will this course be repeated within the same semester? ☐ Yes ☑ No

9. Will this course be submitted to the Core Curriculum Council? ☐ Yes ☑ No

10. How will this course be graded? ☑ Grade ☐ S/U ☐ P/F (CLMD)

11. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)
   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)
      any degree program

12. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

13. Prefix Course # Title (excluding punctuation)

<table>
<thead>
<tr>
<th>Lec.</th>
<th>Lab</th>
<th>SCH</th>
<th>CIP and Fund Code</th>
<th>Admin. Unit</th>
<th>Acad. Year</th>
<th>FICE Code</th>
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</tr>
</tbody>
</table>

Approval recommended by:

Department Head or Program Chair (Type Name & Sign) Date
Chair, College Review Committee

Department Head or Program Chair (Type Name & Sign) Date
Dean of College

Submitted to Coordinating Board by:
Associate Director, Curricular Services

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
5. Prerequisites:

**Must complete a medical statement showing no contraindications to diving, or have a recreational scuba diver's physical examination. Certification as a SDI Scuba Diver or equivalent. Divers Alert Network (DAN) diving accident insurance (or equivalent).**
Justification to develop a new prefix and realign the Diving program at TAMUG

The diving courses were originally aligned with the General Academics degree program due to the State and University level requirement for Physical Education. The physical education component was designated as KINE and the theoretical component was listed as MAST (Maritime Studies) to be as broad based as possible. The diving program truly spans all academic disciplines at the Galveston campus. To create more campus visibility and help clarify the courses offerings, we inquired with TAMU Curricular Services if it would be acceptable to use DIVE as a prefix and house these courses all together in one section of the catalog. The proposal was reviewed and agreed to by all TAMUG academic departments as well as the Aquanautics Operations personnel.

In addition, we would like to change the CIP code for all courses in this program to more accurately reflect the professional nature of this program. In consultation with Jeff Pitts, the Assistant Director of Data & Research Services, it was determined that the most appropriate CIP code would be 49.0304.0012, Diver, Professional and Instructor. The previous CIP Code 36.0108.00 13 is listed under leisure and recreational activities and does not indicate the theoretical and professional depth of this curricula.

Title: Diver, Professional and Instructor.

Definition: A program that prepares individuals to apply technical knowledge and skills to function as professional deep-water or scuba divers, diving instructors, or diving support personnel. Includes instruction in the use of diving equipment and related specialized gear; diving safety procedures; operation and maintenance of underwater life-support systems; underwater communication systems; decompression systems; underwater salvage; exploration, rescue, and photography; and installation and fitting of underwater mechanical systems and their maintenance, repair or demolition.

To align this program, we request to delete the following courses from the course inventory:
MAST 110, 120, 330, 331, 357, 457

To replace the course deletions, we request to add the following courses to the inventory:
DIVE 250, 251, 330, 331, 357, 457
Texas A&M University at Galveston  
SCUBA Rescue Diver  
Fall 2016  
DIVE 330

Instructors:  
Joe Bosquez  
Amie Hufton  
Mike Ange  

E-mail:  
bosquezi@tamug.edu  
huftona@tamug.edu  

Office:  
PE 104  
PE 104  
Diving Safety Officer  

Telephone #:  
409-740-1928  
409-740-4928  
409-741-4056  

Fax #:  
409-740-4946  
409-740-4946  
409-741-4056  

OFFICE HOURS: MW 0900-1030

CLASS MEETING TIMES AND SITE(S):  
Location: GPEF 107 and TAMUG pool  
Lecture Wednesday 5-7  
Lab M 3-5 (section 401)  
Lab M 5-7 (section 402)  
Lab R 2:30-4:30 (section 403)

LEARNING OUTCOMES:
1. Design assists and rescues in open water provided the diving site and diving situations approximate those of the course;  
2. Demonstrate the First Aid/CPR skills necessary to provide basic life support in the event of an emergency;  
3. Compare and contrast methods for effective emergency response  
4. Identify factors that cause divers to become stressed or distressed.  
5. Describe methods to triage and treat victims  
6. Employ equipment creatively to respond to practice scenarios.

COURSE DESCRIPTION:  
Relates skills necessary to perform basic life support, administer dive first aid, evacuate victim, assist/rescue other divers in water; illustrate proper dive planning; practice accident prevention and effective accident management.

PREREQUISITES:
1. Must complete a medical statement showing no contraindications to diving, or have a recreational scuba diver's physical examination.  
2. Certification as a SDI SCUBA Diver or equivalent.  
3. Divers Alert Network (DAN) diving accident insurance (or equivalent)

REQUIRED MATERIALS/BOOKS:
SDI Rescue Diver Kit, Timing Device, Trauma Shears, Slate, Diver Down by Michael Ange; Whistle, Dive Light, Log Book, Mask, Fins, Snorkel, Wetsuit, Dive Booties, Pocket Mask  
Diving Insurance- obtained by the student at student expense, by second week of class. Details to be discussed on first day of class.
GRADING:
Rescue Diver Exam 20%
First Aid Exam 10%
CPR/ First Aid/ Emergency O2/ AED Practical Exam 10%
Successful Completion of Open Water Activities 20%
Quizzes/Homework 30%
Project 10%

GRADING SCALE:
90 – 100 = A
80 – 89 = B
70 – 79 = C
60 – 69 = D
Below 60 = F

SCUBA CERTIFICATION:
Certification as a diver involves classroom instruction, independent study, practice in confined water and open water evaluation. Participation in the open water certification field trip is a required portion of the course. Certifications will be awarded only when training agency standards and prerequisites have been met; this certification is completely independent of course grade. An unexcused lecture or lab ABSENCE will prevent the student from earning certifications.

ATTENDANCE POLICY

The University views class attendance as an individual student responsibility. All students are expected to attend class and to complete all assignments. Attendance is a critical component of all diving classes and is essential to learning a skill. Additionally, due to the skill progressions found in teaching activities, it is crucial, for safety reasons, to require regular attendance. The instructor is under no obligation to provide an opportunity for the student to make up work missed because of an unauthorized absence. After 10 minutes the student is considered absent.

Excused absences, as defined in Rule 7 of the Texas A&M University Student Rules, http://www.tamu.edu/stulife/Academic_Rules/7_Attendance.html will not result in any point deduction, however written documentation will be required to receive an excused absence. The student is responsible for providing satisfactory evidence to the instructor to substantiate the reason for the absence. Among the reasons absences are considered excused by the university are the following:

1) Participation in an activity that is required for a class and appears on the university authorized activity list at http://www.tamu.edu/stulife/Academic_Rules/7_Attendance.html
2) Death or major illness in a student's immediate family.
3) Illness of a dependent family member.
4) Participation in legal proceedings or administrative procedures that require a student's presence.
5) Religious holy day. NOTE: Prior notification is NOT required.
   http://dof.tam.edu/content/religious-observance
6) Injury or illness that is too severe or contagious for the student to attend class.
   a) Injury or illness of three or more class days: Student will provide a medical confirmation note
      from his or her medical provider within one week of the last date of the absence (see Student
      Rules 7.1.6.1)
   b) Injury or illness of less than three class days: Student will provide one or both of these (at
      instructor’s discretion), within one week of the last date of the absence:
         (i.) Texas A&M University Explanatory Statement for Absence from Class form available
         at http://attendance.tamu.edu
         (ii.) Confirmation of visit to a health care professional affirming date and time of visit.
   c) An absence for a non-acute medical service does not constitute an excused absence.
7) Required participation in military duties.
8) Mandatory admission interviews for professional or graduate school that cannot be
    rescheduled.
9) Mandatory participation as a student-athlete in NCAA-sanctioned competition.
10) In accordance with Title IX of the Educational Amendments of 1972, Texas A&M
     University shall treat pregnancy (childbirth, false pregnancy, termination of pregnancy and
     recovery therefrom) and related conditions as a justification for an excused absence for so long a
     period of time as is deemed medically necessary by the student’s physician. Requests for
     excused absence related to pregnancy should be directed to the instructor.
     Other absences may be excused at the discretion of the instructor with prior notification and
     proper documentation.

ATTENTION STUDENTS:
1. It is the responsibility of the student to inform his/her instructor if they have a condition that may
   impair or influence participation in an activity class (e.g. physical handicap, allergies, use of
   medications, etc.)
2. Should you become unable to participate in your regular activity class, contact your instructor
   immediately.
3. The courses in which you have elected to participate are either required as a part of your major or
   elected. Regardless of the case, you must realize that there is a certain assumption of risk in which
   you engage when you participate in activity classes such as these. You must be aware of this
   assumption.

AMERICANS WITH DISABILITIES ACT
The Americans with Disabilities Act (ADA) is a federal non-discrimination statute that provides
comprehensive civil rights protection for persons with disabilities. Among other things, this law requires
that all students with disabilities be guaranteed a learning environment that provides for reasonable
accommodation of their disabilities. If you believe you have a disability requiring an accommodation,
please contact the Counseling Office, Seibel Student Center, or call (409)740-4587. For additional
information visit
http://www.tamug.edu/counsel/Disabilities.html

ACADEMIC DISHONESTY
For many years, Aggies have followed a Code of Honor, which is stated in this very simple verse:
“Aggies do not lie, cheat, or steal, nor do they tolerate those who do.” As such, it is the responsibility of
students and faculty members to help maintain scholastic integrity at the university by refusing to
participate in or tolerate scholastic dishonesty. The Aggie Code of Honor and the Scholastic Dishonesty
sections in the TAMUG University Rules handbook will be standards upon which scholastic integrity is
maintained.
http://www.tamug.edu/HonorSystem

FAMILY EDUCATIONAL AND RIGHTS TO PRIVACY ACT (FERPA)
FERPA is a federal law designed to protect the privacy of educational records by limiting access to these records, to establish the right of students to inspect and review their educational records and to provide guidelines for the correction of inaccurate and misleading data through informal and formal hearings. To obtain a listing of directory information or to place a hold on any or all of this information, please consult the Admissions & Records Office.

Items that can never be identified as public information are a student’s social security number or institutional identification number, citizenship, gender, grades, GPR or class schedule. All efforts will be made in this class to protect your privacy and to ensure confidential treatment of information associated with or generated by your participation in the class.

STATEMENT ON COURSE EVALUATIONS
The PICA (Personalized Instructor/Course Appraisal) is an online course evaluation for Texas A&M. We highly encourage you to complete an evaluation for each course on your schedule. Student input is a critical component used to improve curriculum and teaching. Each faculty member values your input to improve his/her methodology. Your comments can also significantly impact the mix and membership of faculty. The PICA website is available at http://pica.tamu.edu, your howdy portal.
<table>
<thead>
<tr>
<th>WEEK</th>
<th>ACTIVITY (Description)</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Lab Introduction; Dive Locker Safety; Gear Maintenance; Swim test</td>
<td>Will meet at pool. Come in swim attire.</td>
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<tr>
<td>1</td>
<td>AGGIE GEAR NIGHT @ Island divers 7-9 pm</td>
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<td>2</td>
<td>O2 Training; CPR/1st Aid/AED</td>
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<tr>
<td>3</td>
<td>Unconscious Diver Rescue (Skin Diver); Scuba Skills Review</td>
<td>Students must have All Gear</td>
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<tr>
<td>4</td>
<td>Diving First Aid/ Field Neuro</td>
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<tr>
<td>5</td>
<td>Unconscious Diver Rescue; Underwater Problem solving and interventions; Gear Stripping</td>
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<tr>
<td>6</td>
<td>Surface Rescues; Panicked Divers (Surface and UW), Lifts/Carries/Exits</td>
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<td>7</td>
<td>GMR- Galveston Marine Response; Beach Rescues</td>
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<td>8</td>
<td>Small Boat Diving</td>
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<td>9</td>
<td>Alternate Gear Configuration Rescue</td>
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<td>10</td>
<td>GPD/GSO/HSO - Public Safety Diving</td>
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<td>11</td>
<td>Coast Guard</td>
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<td>12</td>
<td>Chamber- Ocean Corps</td>
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<td>13</td>
<td>Lab Practicle</td>
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<td>13</td>
<td><strong>OPEN WATER WEEKEND- RESCUE</strong></td>
<td>Rescue Weekend at Blue Lagoon in Huntsville, TX -</td>
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<td>14</td>
<td>Rescue Exam</td>
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<tr>
<td>15</td>
<td>Review exam, correct missed answers</td>
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</table>
Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
* Submit original form and attach a course syllabus.

Form Instructions

1. Course request type: [✓] Undergraduate [ ] Graduate [ ] First Professional (DMD, MD, JD, PharmD, DVM)

2. Request submitted by (Department or Program Name): Department of Liberal Studies

3. Course prefix, number and complete title of course: DIVE 331 Alternative Diving Technology

4. Catalog course description (not to exceed 50 words):
Illustrate the realities of operating in the scientific, public safety and military diving disciplines; practice real world training scenarios involving multiple aspects of each of the three fields.

5. Prerequisite(s):

   **Must complete a medical statement showing no contraindications to diving, or have a recreational scuba diving physical examination (OSHA Diving Exams with AAUS Certification or an equivalent), otherwise, caution indicated.**

Cross-listed with: [ ]

Stacked with: [ ]

Cross-listed courses require the signature of both department heads.

6. Is this a variable credit course? [ ] Yes [✓] No If yes, from _______ to _______

7. Is this a repeatable course? [ ] Yes [✓] No If yes, this course may be taken _______ times.

   Will this course be repeated within the same semester? [ ] Yes [✓] No

   Will this course be submitted to the Core Curriculum Council? [ ] Yes [✓] No

8. How will this course be graded? [✓] Grade [ ] S/U [ ] P/F (COM)

9. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)

   b. an elective for students enrolled in the following degree program(s) (e.g., M.S. Ph.D. in geography)

   any degree program

10. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

11. I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://ypr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

12. Prefix: Course # Title (excluding punctuation)

   DIVE 331 ALTERNATIVE DIVING TECHNOLOGY

   Lect. Lab Other: SCH CIP and Fund Code Admin. Unit Acad. Year FICE Code
   2.00 2.00 0.00 3.00 4903040012 1736 16 - 17 0 1 0 2 9 8

13. Approval recommended by:

   Department Head or Program Chair (Type Name & Sign) Date

   Chair, College Review Committee Date

   Department Head or Program Chair (Type Name & Sign) Date

   (if cross-listed course)

   Dean of College Date

   Submitted to Coordinating Board by:

   Chair, GC or UCC Date

   Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 07/14
5. Prerequisites:

**Must complete a medical statement showing no contraindications to diving, or have a recreational scuba diver’s physical examination. (OR AAUS Physical if rating with AAUS). Certification as an Advanced and Rescue Diver or equivalent. Divers Alert Network (DAN diving accident insurance (or equivalent). Junior or senior classification or instructor approval.**
Justification to develop a new prefix and realign the Diving program at TAMUG

The diving courses were originally aligned with the General Academics degree program due to the State and University level requirement for Physical Education. The physical education component was designated as KINE and the theoretical component was listed as MAST (Maritime Studies) to be as broad based as possible. The diving program truly spans all academic disciplines at the Galveston campus. To create more campus visibility and help clarify the courses offerings, we inquired with TAMU Curricular Services if it would be acceptable to use DIVE as a prefix and house these courses all together in one section of the catalog. The proposal was reviewed and agreed to by all TAMUG academic departments as well as the Aquanautics Operations personnel.

In addition, we would like to change the CIP code for all courses in this program to more accurately reflect the professional nature of this program. In consultation with Jeff Pitts, the Assistant Director of Data & Research Services, it was determined that the most appropriate CIP code would be 49.0304.0012, Diver, Professional and Instructor. The previous CIP Code 36.0108.00 13 is listed under leisure and recreational activities and does not indicate the theoretical and professional depth of this curricula.

Title: Diver, Professional and Instructor.

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To align this program, we request to delete the following courses from the course inventory:
MAST 110, 120, 330, 331, 357, 457

To replace the course deletions, we request to add the following courses to the inventory:
DIVE 250, 251, 330, 331, 357, 457
Texas A&M University at Galveston
Alternative Diving Technology – DIVE 331 - Fall 2016

Instructor: Mike Ange, Diving Safety Officer  Office: SAGC 510  Tel. No.: 409-741-4056 (off)
E-mail: angem@tamug.edu

OFFICE HOURS - M-Th 0900 – 1200, Fri 1500-1700

CLASS MEETING TIMES AND SITE(S):  Class - Fr 0900-1100  Location - TBD;
Lab – Fr 1100 – 1300  Location - TAMUG Pool

LEARNING OUTCOMES:
1. Employ surface supplied diving equipment and techniques;
2. Describe semi closed circuit diving technology and techniques;
3. Practice tasks associated with the public safety, scientific, and military styles of diving;
4. Demonstrate an essential understanding of scientific, public safety and military dive planning and execution including risk management;
5. Operate a dive site protocol consistent to the underwater task;
6. Identify and apply the appropriate technology to theoretical underwater research problems

COURSE DESCRIPTION:
Illustrates the realities of operating in the scientific, public safety and military diving disciplines; Practice real world training scenarios involving multiple aspects of each of the three fields.

PREREQUISITES:
1. Must complete a medical statement showing no contraindications to diving, or have a recreational scuba diver’s physical examination (OR AAUS Physical if rating with AAUS).
2. Certification as an Advanced and Rescue Diver or equivalent.
3. Divers Alert Network (DAN) diving accident insurance (or equivalent)
4. Junior or senior classification or instructor approval.

MATERIALS/BOOKS:

GRADING:
Semi Closed Rebreather Exam & Dive Project  25%
Surface Supplied Exam & Dive Project  25%
FFM & Blending Exams & Operational Project  25%
Alternative Diving Technologies Final Exam  25%

GRADING SCALE:
90 – 100 = A
80 – 89 = B
70 – 79 = C  
60 – 69 = D  
Below 60 = F

**SCUBA CERTIFICATION:**  
Certification as a diver involves classroom instruction, independent study, practice in confined water and open water evaluation. Participation in the open water certification field trip is a required portion of the course. Certifications will be awarded only when training agency standards and prerequisites have been met; this certification is completely independent of course grade. An unexcused lecture or lab ABSENCE will prevent the student from earning certifications.

**ATTENDANCE POLICY**

The University views class attendance as an individual student responsibility. All students are expected to attend class and to complete all assignments. Attendance is a critical component of all diving classes and is essential to learning a skill. Additionally due to the skill progressions found in teaching activities, it is crucial, for safety reasons, to require regular attendance. The instructor is under no obligation to provide an opportunity for the student to make up work missed because of an unauthorized absence. After 10 minutes the student is considered absent.

Excused absences, as defined in Rule 7 of the Texas A&M University Student Rules, [http://www.tamug.edu/stulife/Academic_Rules/7 Attendance.html](http://www.tamug.edu/stulife/Academic_Rules/7 Attendance.html) will not result in any point deduction, however written documentation will be required to receive an excused absence. The student is responsible for providing satisfactory evidence to the instructor to substantiate the reason for the absence. Among the reasons absences are considered excused by the university are the following:

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2) Death or major illness in a student’s immediate family.
3) Illness of a dependent family member.
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5) Religious holy day. NOTE: Prior notification is NOT required. [http://dof.tamu.edu/content/religious-observance](http://dof.tamu.edu/content/religious-observance)
6) Injury or illness that is too severe or contagious for the student to attend class. 
   a) Injury or illness of three or more class days: Student will provide a medical confirmation note from his or her medical provider within one week of the last date of the absence (see Student Rules 7.1.6.1)
   b) Injury or illness of less than three class days: Student will provide one or both of these (at instructor’s discretion), within one week of the last date of the absence:
      (i.) Texas A&M University Explanatory Statement for Absence from Class form available at [http://attendance.tamu.edu](http://attendance.tamu.edu)
      (ii.) Confirmation of visit to a health care professional affirming date and time of visit.
   c) An absence for a non-acute medical service does not constitute an excused absence.
7) Required participation in military duties.
8) Mandatory admission interviews for professional or graduate school that cannot be rescheduled.
9) Mandatory participation as a student-athlete in NCAA-sanctioned competition.
10) In accordance with Title IX of the Educational Amendments of 1972, Texas A&M University shall treat pregnancy (childbirth, false pregnancy, termination of pregnancy and recovery therefrom) and related conditions as a justification for an excused absence for so long a period of time as is deemed
medically necessary by the student’s physician. Requests for excused absence related to pregnancy should be directed to the instructor.
Other absences may be excused at the discretion of the instructor with prior notification and proper documentation.

ATTENTION STUDENTS:
1. It is the responsibility of the student to inform his/her instructor if they have a condition that may impair or influence participation in an activity class (e.g. physical handicap, allergies, use of medications, etc.)
2. Should you become unable to participate in your regular activity class, contact your instructor immediately.
3. The courses in which you have elected to participate are either required as a part of your major or elected. Regardless of the case, you must realize that there is a certain assumption of risk in which you engage when you participate in activity classes such as these. You must be aware of this assumption.

AMERICANS WITH DISABILITIES ACT
The Americans with Disabilities Act (ADA) is a federal non-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this law requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Counseling Office, Seibel Student Center, or call (409)740-4587. For additional information visit http://www.tamug.edu/counsel/Disabilities.html

ACADEMIC DISHONESTY
For many years, Aggies have followed a Code of Honor, which is stated in this very simple verse: “Aggies do not lie, cheat, or steal, nor do they tolerate those who do.” As such, it is the responsibility of students and faculty members to help maintain scholastic integrity at the university by refusing to participate in or tolerate scholastic dishonesty. The Aggie Code of Honor and the Scholastic Dishonesty sections in the TAMUG University Rules handbook will be standards upon which scholastic integrity is maintained.
http://www.tamug.edu/HonorSystem

FAMILY EDUCATIONAL AND RIGHTS TO PRIVACY ACT (FERPA)
FERPA is a federal law designed to protect the privacy of educational records by limiting access to these records, to establish the right of students to inspect and review their educational records and to provide guidelines for the correction of inaccurate and misleading data through informal and formal hearings. To obtain a listing of directory information or to place a hold on any or all of this information, please consult the Admissions & Records Office.

Items that can never be identified as public information are a student’s social security number or institutional identification number, citizenship, gender, grades, GPR or class schedule. All efforts will be made in this class to protect your privacy and to ensure confidential treatment of information associated with or generated by your participation in the class.

STATEMENT ON COURSE EVALUATIONS
The PICA (Personalized Instructor/Course Appraisal) is an online course evaluation for Texas A&M. We highly encourage you to complete an evaluation for each course on your schedule. Student input is a critical component used to improve curriculum and teaching. Each faculty member values your input to improve his/her methodology. Your comments can also significantly impact the mix and membership of faculty. The PICA website is available at http://pica.tamu.edu, your howdy portal.
<table>
<thead>
<tr>
<th>WEEK</th>
<th>ACTIVITY (Description)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Paper work, swim test - Lab intro</td>
</tr>
<tr>
<td>2</td>
<td>Surface Supply Academics - all academic lab</td>
</tr>
<tr>
<td>3</td>
<td>Hot Wet Lab - entire class</td>
</tr>
<tr>
<td>4</td>
<td>Friday &amp; Saturday Hot, Dives: Boat Bash and then Moody</td>
</tr>
<tr>
<td>5</td>
<td>HATTS Written Exam practiced by DM - (HATTS Symposium)</td>
</tr>
<tr>
<td>6</td>
<td>Gas Blending Class and Dry Lab</td>
</tr>
<tr>
<td>7</td>
<td>SCR Class - Dry Lab</td>
</tr>
<tr>
<td>8</td>
<td>FFM Class - SCR &amp; FFM Wet Lab</td>
</tr>
<tr>
<td>9</td>
<td>SCR &amp; FFM Wet Lab - All Lab</td>
</tr>
<tr>
<td>10</td>
<td>SCR &amp; FFM Exams - Make up and Review SCR &amp; FFM (Study Out)</td>
</tr>
<tr>
<td>11</td>
<td>Holiday</td>
</tr>
<tr>
<td>12</td>
<td>20 &amp; 21 Nov Aquatica Springs Trip SCR &amp; FFM Dives</td>
</tr>
<tr>
<td>13</td>
<td>Review Day - HELT Night Experience here with skills final exams</td>
</tr>
<tr>
<td>14</td>
<td>Final Written Exam</td>
</tr>
</tbody>
</table>
Mandatory watermanship evaluations (60 points passing for divers):
All Programs must include the following water skills and physical fitness evaluations, which are in addition to any water skills listed above. These evaluations must all be done at one time, with no more than 6 minutes rest period between skills. Repeat these evaluations at each level, if it has been more than three (3) months since the last evaluation.

Twenty five meter underwater swim on one breath. 

Pass  Fail

### Skill One (20 points)
Swim for a distance of 900 feet (=12 lengths=6 laps=270 meters). Subtract four minutes from actual time to score handicapped candidates, such as those with a missing limb (e.g., if performed in 12 minutes or less, the score would be 20 points).

<table>
<thead>
<tr>
<th>Time (mm:ss)</th>
<th>Points</th>
<th>Time (mm:ss)</th>
<th>Points</th>
<th>Time (mm:ss)</th>
<th>Points</th>
<th>Time (mm:ss)</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 minutes or less</td>
<td>20</td>
<td>11:01 to 11:20</td>
<td>17</td>
<td>12:46 to 13:00</td>
<td>14</td>
<td>14:16 to 14:30</td>
<td>10</td>
</tr>
<tr>
<td>0:01 to 0:40</td>
<td>19.5</td>
<td>11:21 to 11:40</td>
<td>16.5</td>
<td>13:01 to 13:15</td>
<td>13.5</td>
<td>14:31 to 14:45</td>
<td>9</td>
</tr>
<tr>
<td>0:41 to 0:60</td>
<td>19</td>
<td>11:41 to 12:00</td>
<td>16</td>
<td>13:16 to 13:30</td>
<td>13</td>
<td>14:46 to 15:00</td>
<td>8</td>
</tr>
<tr>
<td>1:01 to 1:20</td>
<td>18.6</td>
<td>12:01 to 1:02</td>
<td>16.6</td>
<td>13:31 to 13:45</td>
<td>12.5</td>
<td>15:01 to 15:15</td>
<td>6</td>
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<tr>
<td>1:21 to 1:40</td>
<td>18</td>
<td>12:16 to 1:30</td>
<td>15</td>
<td>13:46 to 15:00</td>
<td>12</td>
<td>15:16 to 15:30</td>
<td>4</td>
</tr>
<tr>
<td>1:41 to 2:00</td>
<td>17.5</td>
<td>12:31 to 12:45</td>
<td>14.5</td>
<td>14:01 to 14:15</td>
<td>11</td>
<td>15:31 to 16:00</td>
<td>2</td>
</tr>
</tbody>
</table>

### Score  

### Skill Two (20 points)
Swim 1,800 feet (=24 lengths=12 laps=540 meters) using mask, snorkel and fins (swim with fins only; handicapped divers may use both hands and feet).

<table>
<thead>
<tr>
<th>Time (mm:ss)</th>
<th>Points</th>
<th>Time (mm:ss)</th>
<th>Points</th>
<th>Time (mm:ss)</th>
<th>Points</th>
<th>Time (mm:ss)</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 minutes or less</td>
<td>20</td>
<td>16:41 to 17:00</td>
<td>17</td>
<td>18:41 to 18:00</td>
<td>12</td>
<td>20:21 to 20:30</td>
<td>05</td>
</tr>
<tr>
<td>0:10 to 0:15</td>
<td>19.5</td>
<td>17:01 to 17:20</td>
<td>16.5</td>
<td>19:01 to 18:20</td>
<td>11</td>
<td>20:31 to 20:40</td>
<td>04</td>
</tr>
<tr>
<td>0:16 to 0:20</td>
<td>19</td>
<td>17:21 to 17:40</td>
<td>16</td>
<td>19:21 to 18:40</td>
<td>10</td>
<td>20:41 to 20:50</td>
<td>03</td>
</tr>
<tr>
<td>0:21 to 0:25</td>
<td>18.5</td>
<td>17:41 to 18:00</td>
<td>15</td>
<td>19:41 to 20:00</td>
<td>08</td>
<td>20:51 to 21:00</td>
<td>02</td>
</tr>
<tr>
<td>0:26 to 0:30</td>
<td>18</td>
<td>18:01 to 18:20</td>
<td>14</td>
<td>20:01 to 20:20</td>
<td>07</td>
<td>&gt;21 minutes</td>
<td>00</td>
</tr>
</tbody>
</table>

### Score  

### Skill Three (20 points)
Swim while wearing SCUBA gear on the surface, breathing through a snorkel, for a distance of 800 feet (240 meters). Subtract 3 minutes from actual time to score handicapped candidates, such as those with a missing limb (e.g., if performed in 11 minutes or less, the score would be 20 points).

<table>
<thead>
<tr>
<th>Time (mm:ss)</th>
<th>Points</th>
<th>Time (mm:ss)</th>
<th>Points</th>
<th>Time (mm:ss)</th>
<th>Points</th>
<th>Time (mm:ss)</th>
<th>Points</th>
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</thead>
<tbody>
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<td>17</td>
<td>10:31 to 10:40</td>
<td>12</td>
<td>11:21 to 11:30</td>
<td>05</td>
</tr>
<tr>
<td>0:01 to 0:20</td>
<td>19.5</td>
<td>9:46 to 10:00</td>
<td>16</td>
<td>10:41 to 10:50</td>
<td>11</td>
<td>11:31 to 11:40</td>
<td>04</td>
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<td>0:21 to 0:40</td>
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<td>10:01 to 10:10</td>
<td>15</td>
<td>10:51 to 11:00</td>
<td>10</td>
<td>11:41 to 11:50</td>
<td>02</td>
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<tr>
<td>0:41 to 0:50</td>
<td>18.5</td>
<td>10:11 to 10:20</td>
<td>14</td>
<td>11:01 to 11:10</td>
<td>08</td>
<td>11:51 to 12:00</td>
<td>01</td>
</tr>
<tr>
<td>0:51 to 0:59</td>
<td>18</td>
<td>10:21 to 10:30</td>
<td>13</td>
<td>&gt;12 minutes</td>
<td>00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Score  

### Skill Four (20 points)
Swim while wearing SCUBA gear for a distance of 1,800 feet (540 meters). Subtract one minute from actual time for divers using double tanks (e.g., if performed in 17 minutes or less, the score would be 20 points). Subtract two minutes from actual time for divers using double tanks plus two (2) stage tanks (Trimix Instructor candidate; e.g., if performed in 16 minutes or less, the score would be 20 points).

<table>
<thead>
<tr>
<th>Time (mm:ss)</th>
<th>Points</th>
<th>Time (mm:ss)</th>
<th>Points</th>
<th>Time (mm:ss)</th>
<th>Points</th>
<th>Time (mm:ss)</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>16 minutes or less</td>
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<td>18:31 to 19:00</td>
<td>17</td>
<td>21:30 to 21:00</td>
<td>14</td>
<td>23:11 to 23:20</td>
<td>08</td>
</tr>
<tr>
<td>16:01 to 16:30</td>
<td>19.5</td>
<td>19:01 to 19:30</td>
<td>16.5</td>
<td>22:01 to 22:15</td>
<td>13</td>
<td>23:21 to 23:30</td>
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<td>16:31 to 17:00</td>
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<td>19:31 to 20:00</td>
<td>16</td>
<td>22:16 to 22:30</td>
<td>12</td>
<td>23:31 to 23:40</td>
<td>04</td>
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<tr>
<td>17:01 to 17:30</td>
<td>18.5</td>
<td>20:01 to 20:30</td>
<td>15.5</td>
<td>22:31 to 22:45</td>
<td>11</td>
<td>23:41 to 23:50</td>
<td>02</td>
</tr>
<tr>
<td>17:31 to 18:00</td>
<td>18</td>
<td>20:31 to 21:00</td>
<td>15</td>
<td>22:46 to 23:00</td>
<td>10</td>
<td>23:51 to 24:00</td>
<td>01</td>
</tr>
<tr>
<td>18:01 to 18:30</td>
<td>17.5</td>
<td>21:01 to 21:30</td>
<td>14.5</td>
<td>23:01 to 23:10</td>
<td>09</td>
<td>&gt;24 minutes</td>
<td>00</td>
</tr>
</tbody>
</table>

### Score  

### Skill Five (20 points)
Swim for a distance of 50 feet (15 meters), without breathing, and commence gas sharing via alternate second-stage regulator with another diver. While continuing to share gas, swim a distance of 1,200 feet (360 meters). Time for scoring begins when both divers begin swimming while sharing gas. Subtract 5 points for each failed attempt by the diver to complete the 60-foot swim.

<table>
<thead>
<tr>
<th>Time (mm:ss)</th>
<th>Points</th>
<th>Time (mm:ss)</th>
<th>Points</th>
<th>Time (mm:ss)</th>
<th>Points</th>
<th>Time (mm:ss)</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:00 or under</td>
<td>20</td>
<td>11:41 to 12:00</td>
<td>17</td>
<td>13:16 to 13:30</td>
<td>14</td>
<td>15:21 to 15:30</td>
<td>08</td>
</tr>
<tr>
<td>10:01 to 10:20</td>
<td>19.5</td>
<td>12:01 to 12:15</td>
<td>16.5</td>
<td>13:31 to 13:45</td>
<td>13</td>
<td>15:31 to 15:40</td>
<td>04</td>
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<tr>
<td>10:21 to 10:40</td>
<td>19</td>
<td>12:16 to 12:30</td>
<td>16</td>
<td>13:46 to 15:00</td>
<td>12</td>
<td>15:41 to 15:50</td>
<td>02</td>
</tr>
<tr>
<td>10:41 to 11:00</td>
<td>18.5</td>
<td>12:31 to 12:45</td>
<td>15.5</td>
<td>15:01 to 15:15</td>
<td>10</td>
<td>15:51 to 16:00</td>
<td>01</td>
</tr>
<tr>
<td>11:01 to 11:20</td>
<td>18</td>
<td>12:46 to 13:00</td>
<td>15</td>
<td>15:11 to 15:20</td>
<td>08</td>
<td>&gt;16 minutes</td>
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</tr>
<tr>
<td>11:21 to 11:40</td>
<td>17.5</td>
<td>13:01 to 13:15</td>
<td>14.5</td>
<td></td>
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</tr>
</tbody>
</table>

### Score  

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Student/Candidate Signature: ___________________________  Instructor/Trainer Signature: ___________________________

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Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional

Form Instructions
1. Course request type: [✓] Undergraduate  [ ] Graduate  [ ] First Professional (DDS, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name): Department of Liberal Studies
3. Course prefix, number and complete title of course: DIVE 357 DIVE LEADERSHIP- DIVEMASTER
4. Catalog course description (not to exceed 50 words):
Examines divemaster-level dive knowledge, dive leadership theory and application, presentation skills, physical diving skills, logistics/planning, and operational execution; develops a multi-environment capable diving leader.
5. Prerequisite(s): [✓] Oxygen Administration. Divers Alert Network (DAN) diving accident insurance (or equivalent). Junior or [ ] Cross-listed with: [ ] Stacked with:
6. Is this a variable credit course? [ ] Yes  [✓] No  If yes, from _____ to _____
7. Is this a repeatable course? [✓] Yes  [ ] No  If yes, this course may be taken _____ times.
8. Will this course be repeated within the same semester? [ ] Yes  [✓] No
9. Will this course be submitted to the Core Curriculum Council? [ ] Yes  [✓] No
10. How will this course be graded? [✓] Grade  [ ] S/U  [ ] Pass/Fail (CLIMB)
11. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)
   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)
   any degree program
12. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.
13. Prefix  Course #  Title (excluding punctuation)
    DIVE  357  DIVE LEADERSHIP- DIVEMASTER
    Lect.  Lab  Other  SCH  CIP and Fund Code  Admin. Unit  Acad. Year  FICE Code
    2.00  2.00  0.00  3.00  4903040012  1736  16 - 17 0 1 0 2 9 8

Approval recommended by:
[Signature]
Department Head or Program Chair (Type Name & Sign)
Date
[Signature]
Chair, College Review Committee
Date
[Signature]
Dean of College
Date

Submitted to Coordinating Board by:
[Signature]
Chair, GC or UCC
Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 07/14
5. Prerequisites:

**Must complete a medical statement showing no contraindications to diving, or have a recreational scuba diver's physical examination. Certification as a SDI Advanced SCUBA Diver and SDI SCUBA Rescue Diver or equivalent. 60 varied dives logged. Current certifications in First Aid, CPR and Emergency Oxygen Administration. Divers Alert Network (DAN) diving accident insurance (or equivalent). Junior or Senior classification or instructor approval.
Justification to develop a new prefix and realign the Diving program at TAMUG

The diving courses were originally aligned with the General Academics degree program due to the State and University level requirement for Physical Education. The physical education component was designated as KINE and the theoretical component was listed as MAST (Maritime Studies) to be as broad based as possible. The diving program truly spans all academic disciplines at the Galveston campus. To create more campus visibility and help clarify the courses offerings, we inquired with TAMU Curricular Services if it would be acceptable to use DIVE as a prefix and house these courses all together in one section of the catalog. The proposal was reviewed and agreed to by all TAMUG academic departments as well as the Aquanautics Operations personnel.

In addition, we would like to change the CIP code for all courses in this program to more accurately reflect the professional nature of this program. In consultation with Jeff Pitts, the Assistant Director of Data & Research Services, it was determined that the most appropriate CIP code would be 49.0304.0012, Diver, Professional and Instructor. The previous CIP Code 36.0108.00 13 is listed under leisure and recreational activities and does not indicate the theoretical and professional depth of this curricula.

**Title:** Diver, Professional and Instructor.

**Definition:** A program that prepares individuals to apply technical knowledge and skills to function as professional deep-water or scuba divers, diving instructors, or diving support personnel. Includes instruction in the use of diving equipment and related specialized gear; diving safety procedures; operation and maintenance of underwater life-support systems; underwater communication systems; decompression systems; underwater salvage; exploration, rescue, and photography; and installation and fitting of underwater mechanical systems and their maintenance, repair or demolition.

To align this program, we request to delete the following courses from the course inventory:

MAST 110, 120, 330, 331, 357, 457

To replace the course deletions, we request to add the following courses to the inventory:

DIVE 250, 251, 330, 331, 357, 457
Texas A&M University at Galveston
Diving Leadership- Divemaster
DIVE 357- Fall 2016

Instructors:  
Amie Hufton  
E-mail: huftona@tamug.edu

Office:  
Telephone #:  
Fax #:  
PE 104  
409-740-4928  
409-740-4946

Office hours: Monday/Wednesday 2-3 pm

CLASS MEETING TIMES AND SITE(S):  
Location: GPBU 107 and TAMUG pool
Lecture Wednesday 5-7
Lab M 3-5 (section 401)

LEARNING OUTCOMES:
1. Recognize and prepare organizational and supervisory techniques on safe open water dives according to SDI and Texas A&M University at Galveston dive program standards;
2. Develop and relate professional dive presentations;
3. Prepare safe and organized dive trips;
4. Evaluate certified divers in refresher training;
5. Distinguish between safe and risky diving behavior and habits
6. Analyze SCUBA equipment problems and discover the cause of the problem

COURSE DESCRIPTION:
Examines divemaster-level dive knowledge, dive leadership theory and application, presentation skills, physical diving skills, logistics/planning, and operational execution; develops a multi-environment capable diving leader.

PREREQUISITES:
1. Must complete a medical statement showing no contraindications to diving, or have a recreational scuba diver’s physical examination.
2. Certification as a SDI Advanced SCUBA Diver and SDI SCUBA Rescue Diver or equivalent.
3. 60 varied dives logged.
4. Current certifications in First Aid, CPR and Emergency Oxygen Administration
5. Divers Alert Network (DAN) diving accident insurance (or equivalent)
6. Junior or senior classification or instructor approval

REQUIRED MATERIALS/BOOKS:
Timing Device, Trauma Shears, Slate, SDI Air Dive Tables, Whistle, Dive Light, Log Book, Mask, Fins, Snorkel, Wetsuit, Dive Booties, Pocket Mask
Diving Insurance- obtained by the student at student expense, by second week of class. Details to be discussed on first day of class.

GRADING:
Divemaster Exam 20%
Demonstration quality skills project 10%
Classroom Presentation 10%
Successful Completion of Open Water Activities 20%
Dive Briefings 30%
Completion of swim test 10%

GRADING SCALE:
90 – 100 = A
80 – 89 = B
70 – 79 = C
60 – 69 = D
Below 60 = F

SCUBA CERTIFICATION:
Certification as a diver involves classroom instruction, independent study, practice in confined water and open water evaluation. Participation in the open water certification field trip is a required portion of the course. Certifications will be awarded only when training agency standards and prerequisites have been met; this certification is completely independent of course grade. An unexcused lecture or lab ABSENCE will prevent the student from earning certifications.

ATTENDANCE POLICY

The University views class attendance as an individual student responsibility. All students are expected to attend class and to complete all assignments. Attendance is a critical component of all diving classes and is essential to learning a skill. Additionally due to the skill progressions found in teaching activities, it is crucial, for safety reasons, to require regular attendance. The instructor is under no obligation to provide an opportunity for the student to make up work missed because of an unauthorized absence. After 10 minutes the student is considered absent.

Excused absences, as defined in Rule 7 of the Texas A&M University Student Rules, http://www.tamug.edu/stuife/Academic_Rules/7_Attendance.html will not result in any point deduction, however written documentation will be required to receive an excused absence. The student is responsible for providing satisfactory evidence to the instructor to substantiate the reason for the absence. Among the reasons absences are considered excused by the university are the following:

1) Participation in an activity that is required for a class and appears on the university authorized activity list at http://www.tamug.edu/stuife/Academic_Rules/7_Attendance.html
2) Death or major illness in a student’s immediate family.
3) Illness of a dependent family member.
4) Participation in legal proceedings or administrative procedures that require a student’s presence.
5) Religious holy day. NOTE: Prior notification is NOT required. http://dof.tamu.edu/content/religious-observance
6) Injury or illness that is too severe or contagious for the student to attend class.
   a) Injury or illness of three or more class days: Student will provide a medical confirmation note from his or her medical provider within one week of the last date of the absence (see Student Rules 7.1.6.1)
   b) Injury or illness of less than three class days: Student will provide one or both of these (at instructor’s discretion), within one week of the last date of the absence:
      (i.) Texas A&M University Explanatory Statement for Absence from Class form available at http://attendance.tamu.edu
      (ii.) Confirmation of visit to a health care professional affirming date and time of visit.
   c) An absence for a non-acute medical service does not constitute an excused absence.
7) Required participation in military duties.
8) Mandatory admission interviews for professional or graduate school that cannot be rescheduled.
9) Mandatory participation as a student-athlete in NCAA-sanctioned competition.
10) In accordance with Title IX of the Educational Amendments of 1972, Texas A&M University shall treat pregnancy (childbirth, false pregnancy, termination of pregnancy and recovery therefrom) and related conditions as a justification for an excused absence for so long a period of time as is deemed medically necessary by the student’s physician. Requests for excused absence related to pregnancy should be directed to the instructor.

Other absences may be excused at the discretion of the instructor with prior notification and proper documentation.

ATTENTION STUDENTS:
1. It is the responsibility of the student to inform his/her instructor if they have a condition that may impair or influence participation in an activity class (e.g. physical handicap, allergies, use of medications, etc.)
2. Should you become unable to participate in your regular activity class, contact your instructor immediately.
3. The courses in which you have elected to participate are either required as a part of your major or elected. Regardless of the case, you must realize that there is a certain assumption of risk in which you engage when you participate in activity classes such as these. You must be aware of this assumption.

AMERICANS WITH DISABILITIES ACT
The Americans with Disabilities Act (ADA) is a federal non-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this law requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Counseling Office, Seibel Student Center, or call (409)740-4587. For additional information visit
http://www.tamug.edu/counsel/Disabilities.html

ACADEMIC DISHONESTY
For many years, Aggies have followed a Code of Honor, which is stated in this very simple verse: “Aggies do not lie, cheat, or steal, nor do they tolerate those who do.” As such, it is the responsibility of students and faculty members to help maintain scholastic integrity at the university by refusing to participate in or tolerate scholastic dishonesty. The Aggie Code of Honor and the Scholastic Dishonesty sections in the TAMUG University Rules handbook will be standards upon which scholastic integrity is maintained.
http://www.tamug.edu/HonorSystem

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Items that can never be identified as public information are a student’s social security number or institutional identification number, citizenship, gender, grades, GPR or class schedule. All efforts will be made in this class to protect your privacy and to ensure confidential treatment of information associated with or generated by your participation in the class.

STATEMENT ON COURSE EVALUATIONS
The PICA (Personalized Instructor/Course Appraisal) is an online course evaluation for Texas A&M. We highly encourage you to complete an evaluation for each course on your schedule. Student input is a critical component used to improve curriculum and teaching. Each faculty member values your input to improve his/her methodology. Your comments can also significantly impact the mix and membership of faculty. The PICA website is available at http://pica.tamu.edu, your howdy portal.
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<td>12</td>
<td>Review</td>
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<td>Divemaster Exam</td>
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<tr>
<td>15</td>
<td>Review exam, correct missed questions</td>
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Texas A&M University
Departmental Request for a New Course
Undergraduate + Graduate + Professional
* Submit original form and attach a course syllabus.*

Form Instructions

1. Course request type: ☑ Undergraduate ☐ Graduate ☐ First Professional (DDS, MD, JD, PharmD, DVM)

2. Request submitted by (Department or Program Name): Department of Liberal Studies
   DIVE 457 DIVE LEADERSHIP - INSTRUCTOR

3. Course prefix, number and complete title of course: DIVE 457 DIVE LEADERSHIP - INSTRUCTOR

4. Catalog course description (not to exceed 50 words):
   Apply effective methods to teach skin and scuba diving in compliance with training agency instructional standards; evaluate instructional level dive knowledge, water skills, and presentation performance in accordance with training agency teaching standards.

5. Prerequisite(s):
   Recreational scuba diver's medical evaluation. Certification as a SCUBA Divermaster or equivalent. 100

   Cross-listed with:
   Stacked with:
   Cross-listed courses require the signature of both department heads.

6. Is this a variable credit course? ☐ Yes ☑ No If yes, from _________ to _________

7. Is this a repeatable course? ☐ Yes ☑ No If yes, this course may be taken _________ times.

Will this course be repeated within the same semester? ☐ Yes ☑ No

8. Will this course be submitted to the Core Curriculum Council? ☐ Yes ☑ No

9. How will this course be graded: ☑ Grade ☐ S/U ☑ P/F (CLMD)

10. This course will be:
    a. required for students enrolled in the following degree programs(s) (e.g., BA in history)
    b. an elective for students enrolled in the following degree program(s) (e.g., M.S. Ph.D. in geography)
        any degree program

11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

12. ☑ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

13. Prefix: DIVE
    Course #: 457
    Title (excluding punctuation): DIVE LEADERSHIP INSTRUCTOR

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Approval recommended by: [Signature]
Department Head or Program Chair (Type Name & Sign) Date 11/19/15
Chair, College Review Committee Date 11/19/15

Submitted to Coordinating Board by: [Signature] Date
Chair, GC or UCC Date

Associate Director, Curricular Services Date
Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu.
Curricular Services – 07/14
5. Prerequisites:

**Recreational scuba diver's medical evaluation. Certification as a SCUBA Divemaster or equivalent. 100 varied dives logged. Current certification in First Aid, CPR and Emergency Oxygen Administration. Divers Alert Network (DAN) diving accident insurance (or equivalent). Junior or senior classification or instructor approval.
Justification to develop a new prefix and realign the Diving program at TAMUG

The diving courses were originally aligned with the General Academics degree program due to the State and University level requirement for Physical Education. The physical education component was designated as KINE and the theoretical component was listed as MAST (Maritime Studies) to be as broad based as possible. The diving program truly spans all academic disciplines at the Galveston campus. To create more campus visibility and help clarify the courses offerings, we inquired with TAMU Curricular Services. If it would be acceptable to use DIVE as a prefix and house these courses all together in one section of the catalog. The proposal was reviewed and agreed to by all TAMUG academic departments as well as the Aquanautics Operations personnel.

In addition, we would like to change the CIP code for all courses in this program to more accurately reflect the professional nature of this program. In consultation with Jeff Pitts, the Assistant Director of Data & Research Services, it was determined that the most appropriate CIP code would be 49.0304.0012, Diver, Professional and Instructor. The previous CIP Code 36.0108.0013 is listed under leisure and recreational activities and does not indicate the theoretical and professional depth of this curricula.

Title: Diver, Professional and Instructor.

Definition: A program that prepares individuals to apply technical knowledge and skills to function as professional deep-water or scuba divers, diving instructors, or diving support personnel. Includes instruction in the use of diving equipment and related specialized gear; diving safety procedures; operation and maintenance of underwater life-support systems; underwater communication systems; decompression systems; underwater salvage; exploration, rescue, and photography; and installation and fitting of underwater mechanical systems and their maintenance, repair or demolition.

To align this program, we request to delete the following courses from the course inventory:
MAST 110, 120, 33C, 331, 357, 457

To replace the course deletions, we request to add the following courses to the inventory:
DIVE 250, 251, 330, 331, 357, 457
Texas A&M University at Galveston
Dive Leadership- Dive Instructor
DIVE 457- Fall 2016

Instructors: Amie Hufton  
E-mail: hufiona@tamug.edu  
Office: PE 104  
Telephone #: 409-740-4928  
Fax #: 409-740-4946

Office hours: Monday/Wednesday 2-3 pm

CLASS MEETING TIMES AND SITE(S):  
Location: GPEF 107 and TAMUG pool  
Lecture Wednesday 5-7  
Lab M 3-5 (section 401)

LEARNING OUTCOMES:
1. Recognize and prepare organizational and supervisory techniques on safe open water dives according to SDI and Texas A&M University at Galveston dive program standards;
2. Develop and summarize professional dive presentations;
3. Prepare safe and organized dive trips;
4. Evaluate divers in training, from Open water level through Divemaster.

COURSE DESCRIPTION:
Apply effective methods to teach skin and scuba diving in compliance with training agency instructional standards; evaluate instructional level dive knowledge, water skills, and presentation performance in accordance with training agency teaching standards.

PREREQUISITES:
1. Recreational scuba diver’s medical evaluation.
2. Certification as a SCUBA Divemaster or equivalent.
3. 100 varied dives logged
4. Current certifications in First Aid, CPR and Emergency Oxygen Administration
5. Divers Alert Network (DAN) diving accident insurance (or equivalent)
6. Junior or senior classification or instructor approval

REQUIRED MATERIALS/BOOKS:
SDI Standards and Policies Manual, TAMUG Diving Safety Manual, SDI Instructor manual, Timing Device, Trauma Shears, Slate, SDI Air Dive Tables, Whistle, Dive Light, Log Book, Mask, Fins, Snorkel, Wetsuit, Dive Booties, Pocket Mask; Diving Insurance- obtained by the student at student expense, by second week of class. Details to be discussed on first day of class.

GRADING:
Instructor Exam 20%
Demonstration quality skills project 10%
Classroom Presentation 10%
Successful Completion of Open Water Activities 20%
Dive Briefings 30%
Completion of swim test 10%

GRADING SCALE:
90 – 100 = A
\[ 80 - 89 = B \\
70 - 79 = C \\
60 - 69 = D \\
Below 60 = F \]

**SCUBA CERTIFICATION:**
Certification as a diver involves classroom instruction, independent study, practice in confined water and open water evaluation. Participation in the open water certification field trip is a required portion of the course. Certifications will be awarded only when training agency standards and prerequisites have been met; this certification is completely independent of course grade. An unexcused lecture or lab ABSENCE will prevent the student from earning certifications.

**ATTENDANCE POLICY**

The University views class attendance as an individual student responsibility. All students are expected to attend class and to complete all assignments. Attendance is a critical component of all diving classes and is essential to learning a skill. Additionally due to the skill progressions found in teaching activities, it is crucial, for safety reasons, to require regular attendance. The instructor is under no obligation to provide an opportunity for the student to make up work missed because of an unauthorized absence. After 10 minutes the student is considered absent.

Excused absences, as defined in Rule 7 of the Texas A&M University Student Rules, 
http://www.tamu.edu/stulife/Academic_Rules/7_Attendance.html will not result in any point deduction, however written documentation will be required to receive an excused absence. The student is responsible for providing satisfactory evidence to the instructor to substantiate the reason for the absence. Among the reasons absences are considered excused by the university are the following:

1) Participation in an activity that is required for a class and appears on the university authorized activity list at 
http://www.tamu.edu/stulife/Academic_Rules/7_Attendance.html
2) Death or major illness in a student's immediate family.
3) Illness of a dependent family member.
4) Participation in legal proceedings or administrative procedures that require a student's presence.
5) Religious holy day. NOTE: Prior notification is NOT required.
http://dof.tamu.edu/content/religious-observance
6) Injury or illness that is too severe or contagious for the student to attend class.
   a) Injury or illness of three or more class days: Student will provide a medical confirmation note from his or her medical provider within one week of the last date of the absence (see Student Rules 7.1.6.1)
   b) Injury or illness of less than three class days: Student will provide one or both of these (at instructor's discretion), within one week of the last date of the absence:
      (i.)Texas A&M University Explanatory Statement for Absence from Class form available at 
http://attendance.tamu.edu
      (ii.) Confirmation of visit to a health care professional affirming date and time of visit.
   c) An absence for a non-acute medical service does not constitute an excused absence.
7) Required participation in military duties.
8) Mandatory admission interviews for professional or graduate school that cannot be rescheduled.
9) Mandatory participation as a student-athlete in NCAA-sanctioned competition.
10) In accordance with Title IX of the Educational Amendments of 1972, Texas A&M University shall treat pregnancy (childbirth, false pregnancy, termination of pregnancy and recovery therefrom) and related conditions as a justification for an excused absence for so long a period of time as is deemed medically necessary by the student’s physician. Requests for excused absence related to pregnancy should be directed to the instructor. Other absences may be excused at the discretion of the instructor with prior notification and proper documentation.

ATTENTION STUDENTS:
1. It is the responsibility of the student to inform his/her instructor if they have a condition that may impair or influence participation in an activity class (e.g. physical handicap, allergies, use of medications, etc.)
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TAMUG
Withdrawing of Courses
Texas A&M University
Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
* Submit original form and attachments *

Form Instructions
1. Course request type: ☑ Undergraduate  ☐ Graduate  ☐ First Professional (DO, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name): Department of Liberal Studies
3. Course prefix, number and complete title of course: MAST 110 SCUBA I LECTURE

4. Change requested
   a. Prerequisite(s): From: _________ To: _________
   b. Withdrawal reason: Changing the course prefix to better represent its discipline
   c. Cross-list with: _________

   Cross-listed courses require the signature of both department heads.

d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.

   e. Change in course number, credit hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course? ☑ Yes  ☐ No

6. If grade type is changing for existing course, indicate the new grade type: ☑ Grade  ☐ S/U  ☐ P/F (CLM)

7. If this course will be stacked, please indicate the course number of the stacked course:

   ☑ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-control-basics-for-distance-education).

8. Complete current course title and current catalog course description:

9. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

a. As currently in course inventory:

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b. Change to:

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Approval recommended by:
Victor Visser
Department Chair or Program Chair (Type Name & Sign) Date
Nov. 13, 2015

Chair, College Review Committee
Date
11/19/15

Dean of College
Date
11/19/15

Department Head or Program Chair (Type Name & Sign)

Submitted to Coordinating Board by:
Chair, GC or UCC
Date

Associate Director, Curricular Services
Date
Effective Date

Questions regarding this form should be directed to Sanden Williams at 845-8201 or sanden.williams@tamu.edu.
Curricular Services – 08/14
Justification to develop a new prefix and realign the Diving program at TAMUG

The diving courses were originally aligned with the General Academics degree program due to the State and University level requirement for Physical Education. The physical education component was designated as KINE and the theoretical component was listed as MAST (Maritime Studies) to be as broad based as possible. The diving program truly spans all academic disciplines at the Galveston campus. To create more campus visibility and help clarify the courses offerings, we inquired with TAMU Curricular Services if it would be acceptable to use DIVE as a prefix and house these courses all together in one section of the catalog. The proposal was reviewed and agreed to by all TAMUG academic departments as well as the Aquanautics Operations personnel.

In addition, we would like to change the CIP code for all courses in this program to more accurately reflect the professional nature of this program. In consultation with Jeff Pitts, the Assistant Director of Data & Research Services, it was determined that the most appropriate CIP code would be 49.0304.0012, Diver, Professional and Instructor. The previous CIP Code 36.0108.00.13 is listed under leisure and recreational activities and does not indicate the theoretical and professional depth of this curricula.

Title: Diver, Professional and Instructor.

Definition: A program that prepares individuals to apply technical knowledge and skills to function as professional deep-water or scuba divers, diving instructors, or diving support personnel. Includes instruction in the use of diving equipment and related specialized gear; diving safety procedures; operation and maintenance of underwater life-support systems; underwater communication systems; decompression systems; underwater salvage; exploration, rescue, and photography; and installation and fitting of underwater mechanical systems and their maintenance, repair or demolition.

To align this program, we request to delete the following courses from the course inventory:
MAST 110, 120, 330, 331, 357, 457

To replace the course deletions, we request to add the following courses to the inventory:
DIVE 250, 251, 330, 331, 357, 457
Texas A&M University
Departmental Request for a Change in Course
Undergraduate ☑ Graduate ☐ Professional ☐
Submit original form and attachments

Form Instructions
1. Course request type: ☑ Undergraduate ☐ Graduate ☐ First Professional (DO, MD, JD, Ph.D., DVM)
2. Request submitted by (Department or Program Name): Department of Liberal Studies
3. Course prefix, number and complete title of course: MAST 120 SCUBA II LECTURE

4. Change requested
   a. Prerequisite(s): From: __________________________ To: __________________________
   b. Withdrawal (reason): __________________________
   c. Cross-list with: __________________________

   Cross-listed courses require the signature of both department heads.
   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.
   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.
5. Is this an existing core curriculum course? ☑ Yes ☐ No
6. If grade type is changing for existing course, indicate the new grade type: ☑ Grade ☐ S/U ☐ P/F (CL/MD)
7. If this course will be stacked, please indicate the course number of the stacked course: __________________________
8. I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-control-basics-for-distance-education).
9. Complete current course title and current catalog course description:

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

11a. As currently in course inventory:

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11b. Change to:

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</table>

Approval recommended by:

[Signature] 11/18/15
JoAnn DiGregorio-Lutz
Department Head or Program Chair (Type Name & Sign) Date
Chair, College Review Committee
Department Head or Program Chair (Type Name & Sign) Date
Deans of College

Submitted to Coordinating Board by: Chair, GC or UCC Date
Associate Director, Curricular Services Date
Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 08/14
Justification to develop a new prefix and realign the Diving program at TAMUG

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**Title:** Diver, Professional and Instructor.

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To align this program, we request to delete the following courses from the course inventory:
- MAST 110, 120, 330, 331, 357, 457

To replace the course deletions, we request to add the following courses to the inventory:
- DIVE 250, 251, 330, 331, 357, 457
Texas A&M University
Departmental Request for a Change in Course
Undergraduate ✗ Graduate ✗ Professional
*Submit original form and attachments*

Form instructions

1. Course request type: ☑ Undergraduate ☐ Graduate ☐ First Professional (MD, JD, PharmD, DPharm)

2. Request submitted by (Department or Program Name): Department of Liberal Studies

3. Course prefix, number and complete title of course: MAST 330 RESCUE DIVER

4. Change requested:
   a. Prerequisite(s): From: __________________________ To: __________________________
   b. Withdrawal (reason): __________________________
   c. Cross-list with: __________________________

Cross-listed courses require the signature of both department heads.

   d. Change in course title and description. Enter complete current course title and current course description in Item 9; enter proposed course title and proposed course description in Item 10. Complete item 11a and b for a change in title.
   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course? ☑ Yes ☐ No

6. If grade type is changing for existing course, indicate the new grade type: ☑ Grade ☐ S/U ☐ P/F (CLMD)

7. If this course will be stacked, please indicate the course number of the stacked course:
   ☑ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-control-basics-for-distance-education).

8. Complete current course title and current catalog course description:

9. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

10. Complete proposed course title and proposed catalog course description:

11. a. As currently in course inventory:

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b. Change to:

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<th>Title (excluding punctuation)</th>
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</tbody>
</table>

Approval recommended by: __________________________

Department Head or Program Chair (Type Name & Sign) Date __________________________

Chair, College Review Committee Date __________________________

Department Head or Program Chair (Type Name & Sign) Date __________________________

If cross-listed course Date __________________________

Submitted to Coordinating Board by: __________________________

Chair, GC or UCC Date __________________________

Effective Date __________________________

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 08/14
Justification to develop a new prefix and realign the Diving program at TAMUG

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**Title:** Diver, Professional and Instructor.

**Definition:** A program that prepares individuals to apply technical knowledge and skills to function as professional deep-water or scuba divers, diving instructors, or diving support personnel. Includes instruction in the use of diving equipment and related specialized gear; diving safety procedures; operation and maintenance of underwater life-support systems; underwater communication systems; decompression systems; underwater salvage; exploration, rescue, and photography; and installation and fitting of underwater mechanical systems and their maintenance, repair or demolition.

To align this program, we request to delete the following courses from the course inventory:
MAST 110, 120, 330, 331, 357, 457

To replace the course deletions, we request to add the following courses to the inventory:
DIVE 250, 251, 330, 331, 357, 457
Texas A&M University
Departmental Request for a Change in Course
Undergraduate + Graduate + Professional
Submit original form and attachments.

Form Instructions:
1. Course request type: ☑ Undergraduate  ☐ Graduate  ☐ First Professional (MD, JD, PharmD, D/V/D)
2. Request submitted by (Department or Program Name): Department of Liberal Studies
3. Course prefix, number and complete title of course: MAST 331 ALTERNATE DIVING TECHNOLOGY
   Attach a brief supporting statement for changes made in Items 4a thru 4d, and 10 below.
4. Change requested:
   a. Prerequisite(s): From:  To:  
   b. Withdrawal (reason): change course prefix to better reflect the discipline
   c. Cross-list with:
   Cross-listed courses require the signature of both department heads.
   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.
   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.
5. Is this an existing core curriculum course? ☐ Yes ☑ No
6. If grade type is changing for existing course, indicate the new grade type: ☐ Grade ☐ S/U ☐ P/F (Cum)
7. If this course will be stacked, please indicate the course number of the stacked course:
   ☐ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-control-basics-for-distance-education)
8. Complete current course title and current catalog course description:
9. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

   a. As currently in course inventory:

      | Prefix | Course # | Title (excluding punctuation) |
      |--------|----------|-------------------------------|
      | MAST   | 331      | ALTERNATE DIVING TECHNOLOGY   |

      | Lect. | Lab | Other | SCH | CIP and Fund Code | Admin. Unit | FICE Code | Level |
      |-------|-----|-------|-----|------------------|-------------|-----------|-------|
      | 2.00  | 2.00| 0.00  | 3.00| 3601080013       | 1736        | 0 1 0 2 9 8 | 3     |

   b. Change to:

      | Prefix | Course # | Title (excluding punctuation) |
      |--------|----------|-------------------------------|

      | Lect. | Lab | Other | SCH | CIP and Fund Code | Admin. Unit | Acud. Year | FICE Code |
      |-------|-----|-------|-----|------------------|-------------|------------|-----------|

Approval recommended by:

Victor Vieser
Department Head or Program Chair (Type Name & Sign) Date

Chief, College Review Committee Date

Chair, College Review Committee Date

Department Head or Program Chair (Type Name & Sign) Date
(If cross-listed course)

Submitted to Coordinating Board by:
Chair, GC or UCC Date

Associate Director, Curricular Services Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 6/14
11/9/2015

Justification to develop a new prefix and realign the Diving program at TAMUG

The diving courses were originally aligned with the General Academics degree program due to the State and University level requirement for Physical Education. The physical education component was designated as KINE and the theoretical component was listed as MAST (Maritime Studies) to be as broad based as possible. The diving program truly spans all academic disciplines at the Galveston campus. To create more campus visibility and help clarify the courses offerings, we inquired with TAMU Curricular Services if it would be acceptable to use DIVE as a prefix and house these courses all together in one section of the catalog. The proposal was reviewed and agreed to by all TAMUG academic departments as well as the Aquanautics Operations personnel.

In addition, we would like to change the CIP code for all courses in this program to more accurately reflect the professional nature of this program. In consultation with Jeff Pitts, the Assistant Director of Data & Research Services, it was determined that the most appropriate CIP code would be 49.0304.0012, Diver, Professional and Instructor. The previous CIP Code 36.0108.00 13 is listed under leisure and recreational activities and does not indicate the theoretical and professional depth of this curricula.

Title: Diver, Professional and Instructor.

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To replace the course deletions, we request to add the following courses to the inventory:
DIVE 250, 251, 330, 331, 357, 457
Texas A&M University
Departmental Request for a Change in Course
Undergraduate * Graduate * Professional
- Submit original form and attachments -

Form Instructions:
1. Course request type: [ ] Undergraduate [ ] Graduate [ ] First Professional (DDS, MD, JD, PharmD, DMD)
2. Request submitted by (Department or Program Name): Department of Liberal Studies
3. Course prefix, number and complete title of course: MAST 357 DIVING LEADERSHIP-DIVEMASTER

Attach a brief supporting statement for changes made to Items 4a through 10 below.

4. Change requested
   a. Prerequisite(s): ___________ To: ___________ 
   b. Withdrawal (reason): change course prefix to better reflect the discipline
   c. Cross-list with:

   Cross-listed courses require the signature of both department heads.

d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.

e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus

5. Is this an existing core curriculum course?
   [ ] Yes [ ] No

6. If grade type is changing for existing course, indicate the new grade type:
   [ ] Grade [ ] SP [ ] P

7. If this course will be stacked, please indicate the course number of the stacked course:
   [ ] I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://epr.tamu.edu/resources/export-control/export-control-basics-for-distance-education).

8. Complete current course title and current catalog course description:

   Complete proposed course title and proposed catalog course description (not to exceed 50 words):

9. b. Change to:

   Prefix _____ Course # _____ Title (excluding punctuation) _____

   Lect. Lab Other SCH CIP and Fund Code Admin. Unit FICE Code Level
   2.00 2.00 0.00 3.00 3601080013 1736 0 1 0 2 9 8 3

   Approval recommended by: ____________________________
   Date: ____________________________

   Department Head or Program Chair (Type Name & Sign):

   Chair, College Review Committee: ____________________________
   Date: ____________________________

   Department Head or Program Chair (Type Name & Sign) (if cross-listed course)

   Date: ____________________________

   Submitted to Coordinating Board:
   Chair, GC or UCC: ____________________________
   Date: ____________________________

   Associate Director, Curricular Services: ____________________________
   Date: ____________________________

   Effective Date: ____________________________

   Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
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DIVE 250, 251, 330, 331, 357, 457
Texas A&M University
Departmental Request for a Change in Course
Undergraduate + Graduate + Professional
- Submit original form and attachments -

Form Instructions
1. Course request type: ☑ Undergraduate ☐ Graduate ☐ First Professional (DVM, MD, JD, PharmD, DPA)
2. Request submitted by (Department or Program Name): Department of Liberal Studies
3. Course prefix, number and complete title of course: MAST 457 DIVE LEADERSHIP-DIVE INSTRUCTOR
4. Change requested
   a. Prerequisite(s): From: To:
   b. Withdrawal (reason): change course prefix to better reflect the discipline
   c. Cross-list with:
   Cross-listed courses require the signature of both department heads.
   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.
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7. If this course will be stacked, please indicate the course number of the stacked course:
   ☑ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-control/export-control-basics-for-distance-education).
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Approval recommended by:
JoAnn DiGeorgia-Lutz
Date: 11-15-15

Chair, College Level Committee
Date: 1/8/15

Department Head or Program Chair (Type Name & Sign) Date
(If cross-listed course)

Submitted to Coordinating Board by: Chair, GC or UCC
Date: Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu.
Curricular Services - 08/14
Justification to develop a new prefix and realign the Diving program at TAMUG

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DIVE 250, 251, 330, 331, 357, 457
TAMUG
CHANGE IN COURSES
Texas A&M University
Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
Submit original form and attachments

1. Request submitted by (Department or Program Name): Department of Maritime Systems Engineering

2. Course prefix, number and complete title of course: MASE 319 Naval Architecture Design I

3. Change requested
   - Prerequisite(s): From: MASE 311, Coven 314, MASE 321, MASE 244, Juno or senior classification or approval of instructor, Enrollment in OCEE major degree sequence. To: Successful completion of co-enrollment in Coven 311 and OCEE 314. Successful completion of MASE 311 and MASE 314, Juno or senior classification or approval of instructor. Enrollment in OCEE major degree sequence.
   - Cross-list with: [Optional]

4. For informational purposes only, please indicate course number if this course will be stacked:

5. Complete current course title and current catalog course description:

6. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

7. As currently in course inventory:
   - Prefix: MASE
   - Course #: 319
   - Title: Naval Architecture Design I
   - Lect., Lab, SCLI, CIP and Fund Code, Admin. Unit, FICE Code, Level

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<td>SCLI, CIP and Fund Code</td>
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<td>Naval Architecture Design I</td>
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</table>

   Department Head or Program Chair (Type Name & Sign) Date
   [Signature, College Review Submitted]
   [Date]
   Department Head or Program Chair (Type Name & Sign) Date
   (If cross-listed course)
   [Signature, College Review Submitted]
   [Date]
   Submitted to Coordinating Board by:
   Chair, GC or UCC Date
   [Date]
   Effective Date Date
   [Date]
   Associate Director, Curricular Services Date
   [Date]

Questions regarding this form should be directed to Sandra Williams at 845-9201 or sandra.williams@tamu.edu.
Curricular Services – 02/11
Supporting Statement for MASE 319: Naval Architecture Design I

We are requesting a change in the prerequisite from requiring the student’s successful completion of CVEN 311 and CVEN 345 to co-enrollment. This change is required since MASE 319 is scheduled to be taken in the same semester as CVEN 311 and CVEN 345.

In addition, the CIP code is being corrected from 1424010006 (Ocean Engineering) to 1422010006 (Naval Architecture). The corrected code is a better description of the content.
TAMUG

Change in Curriculum
TAMUG
CHANGE IN CURRICULUM

TEXAS A&M UNIVERSITY AT GALVESTON
DEPARTMENT OF LIBERAL STUDIES
MINOR IN DIVING TECHNOLOGY AND METHODS
Texas A&M University
Request for a Change in Curriculum
Undergraduate • Graduate • Professional

1. Program request type: ☑ Undergraduate  ☐ Graduate  ☐ First Professional (e.g., J.D., M.D., etc.)

2. Request change for: ☐ Degree Program  ☑ Minor  ☐ Certificate

3. Request submitted by (Department or Program Name):
Department of Liberal Studies

4. Program Designation and Name:
(e.g., B.A. in History, Minor in History, Certificate in European Union):
Minor in Diving Technology and Methods

5. Brief description of change:
Change acronym for all LSTI diving courses from MAST to DIVE. Combine courses that previously required co-enrollment in MAST and KINE 199 classes. Change CIP codes from recreational to vocational designation.

6. Rationale for change:
Co-enrollment in both 2-hour MAST and 1-hour KINE classes was very problematic for students and faculty. Combining the classes to a 3-hour lecture-lab DIVE course will reduce confusion and unnecessary work to ensure co-enrollment for 50 plus students each semester. Designating entry level SCUBA courses as DIVE classes instead of MAST classes will reduce confusion for students and advisors regarding MAST degree program.

7. Use the checkboxes below to make sure that all information is included.

   a. Proposed curriculum attached. ☑ Yes ☐ No
   b. Current catalog curriculum with handwritten edits attached. ☑ Yes ☐ No
   c. Current Howdy degree evaluation with handwritten edits attached. ☑ Yes ☐ No

   Please make sure the attached proposed curriculum, catalog and Howdy degree evaluation match.

8. a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes? ☐ Yes ☑ No
   b. If yes, degree program hours will change from: ___ to: ___
   c. If yes, is the Texas Higher Education Coordinating Board form attached?
      http://www.thecb.state.tx.us/index.cfm?objectid=A0F987FA-9A92-4F11-2756AD34BF701D60 ☑ Yes ☐ No

9. If proposed changes affect other unit(s), are letters of support attached? ☑ Yes ☐ No

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UCC/GC, January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:
JoAnn DiGeorgio-Lutz  11-19-15
[Signature]

Chair, College Review Committee  11/19/15
[Signature]

Department Head or Program Chair (Type Name & Sign) Date

Dean of College  1/19/15
[Signature]

Chair, GC or UCC  1/19/15
[Signature]

Questions regarding this form should be directed to Curricular Services at 845-8301 or mundoe-williams@tamu.edu.
Curricular Services - 01/14
DIVE MINOR COVER MEMO

11/9/2015

We are resubmitting the DIVE Minor form to reflect the changes in the Course prefixes from MAST to DIVE. Otherwise, the DIVE Minor remains the same.
11/9/2015

Justification for change in prefix for diving classes

We were informed by TAMU Curricular Services that changing the four digit prefix of our diving classes was acceptable in order to be clearer about the purpose and academic home of the diving classes. Previously they were listed as MAST classes, but not included in the Maritime Studies degree program. This has caused confusion for students and advisors, and in an effort to better align the course prefix with the Diving Technology and Methods Minor, we are proposing DIVE as the new acronym. This change has been discussed with decision makers in LIST, MAST, and Aquanautics Operations, and a consensus was reached in late October.

Justification for change in CIP codes

We were informed by Jeff Pitts, the Assistant Director of Data & Research Services at TAMU, that our previous CIP (36.0108.00 13) for all of TAMUG’s diving classes was specific to recreational diving only. He suggested that we consider using 49.0304.00 12 as the code for these courses, as it is weighted for vocational training. Below is the title and definition of the proposed CIP for all of TAMUG’s diving classes. We think that this better indicates the training and experiences that students are receiving.

Title: Diver, Professional and Instructor.

Definition: A program that prepares individuals to apply technical knowledge and skills to function as professional deep-water or scuba divers, diving instructors, or diving support personnel. Includes instruction in the use of diving equipment and related specialized gear; diving safety procedures; operation and maintenance of underwater life-support systems; underwater communication systems; decompression systems; underwater salvage; exploration, rescue, and photography; and installation and fitting of underwater mechanical systems and their maintenance, repair or demolition.
Texas A&M University
Proposed Minor Field of Study

Name of Minor Program: Diving Technology and Methods

Department: Liberal Studies

College: Texas A&M University at Galveston

Will grant a minor [ ] Yes [ ] No  
Academic Year: 2016-17

A selection from among the following courses will constitute a minor field of study.

A. The following ___ hours of course work are required.

B. Select ___ hours from the following courses.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIVE 250 (3)</td>
<td>Scuba Diving I</td>
</tr>
<tr>
<td>DIVE 251 (3)</td>
<td>Scuba Diving II</td>
</tr>
<tr>
<td>DIVE 330 (3)</td>
<td>Rescue Diving</td>
</tr>
<tr>
<td>DIVE 331 (3)</td>
<td>Alternate Diving Technology</td>
</tr>
<tr>
<td>DIVE 357 (3)</td>
<td>Dive Leadership-Dive Master</td>
</tr>
<tr>
<td>DIVE 457 (3)</td>
<td>Dive Leadership-Dive Instructor</td>
</tr>
<tr>
<td>MARB 340 (4)</td>
<td>Tropical Marine Ecology</td>
</tr>
<tr>
<td>MARB 345 (4)</td>
<td>Introduction to Scientific Diving</td>
</tr>
<tr>
<td>MARB 350 (4)</td>
<td>Methods in Research Diving</td>
</tr>
<tr>
<td>KINE 199 (1)</td>
<td>Conditioning Swimming</td>
</tr>
</tbody>
</table>

Please indicate further requirements such as grade point requirement, prerequisites, resident (if above the minimum 6 hours at the 300- to 400-level), capstone or methods courses.

Minimum of ___ hours required.

Minimum of 6 hours at 300- to 400-level

Must complete a medical statement showing no contraindications to diving, or have a recreational health examination.

Must maintain a 2.5 grade point average

Must maintain good health and fitness appropriate to the level of diving required. Adverse behavior prohibited.

Reviewed and approved by:

Department Head/Program Director  Date  AOC Dean of College  Date
EXPANDED TEXT from the Minor Field of Study:

Please indicate further requirements such as grade point requirement, prerequisites, resident ([if above 19 hours required]), capstone or methods courses.

Minimum of 6 hours at the 300- to 400-level.

Must complete a medical statement showing no contraindications to diving, or have a recreational scuba diver's physical examination.

Must maintain a 2.5 grade point average.

Must maintain good health and fitness appropriate to the level of diving required. Adverse behaviors that put the diver or other participants at risk such as the use of alcohol or certain medicines may require the diver to be removed from the program.
UNDERGRADUATE MINOR PROGRAMS

A minor is a concentration of courses that focuses on a single area in an interdisciplinary perspective as developed by the department or program that offers the minor. The department or program offering the minor is responsible for setting enrollment limits and deciding which courses are used to meet the minor. Course requirements consist of 15–16 hours with a minimum of 6 in residence at the 300–400 level.

Electives offered by a department to students with that the minor is considered to be available to all students as resources permit. The minor is designed in the major-granting department will add the minor for the student on SIMS. In some cases, approval by the advisor of the major-granting department is required before the minor is added by the advisor in the student's major. Substitutions in a minor can be initiated in the major or minor granting department, but must be approved by both departments. Students must declare a minor no later than the year in which they apply for graduation. A maximum of two minors can be completed by students. A minor is displayed on the transcript after the courses are displayed on the diploma.

Minor in Diving Technology and Methods

Students in other majors may establish a minor field of study in Diving Technology and Methods through completing 16 hours from the course requirements. A minimum of 8 hours must be completed at the 300- to 400-level.

- KINE 199 Conditioning Swimming
- KINE 199 Positive Impact Diving
- DIVE 250 Scuba I
- DIVE 251 Scuba II
- MAST 110/KINE 199 Suba Diving I
- MAST 120/KINE 199 Scuba Diving II
- MAST 330 Rescue Diving
- MAST 331 Alternate Diving Technology
- MARB 340 Tropical Marine Ecology
- MARB 345 Introduction to Scientific Diving
- MARB 350 Methods in Research Diving
- MAST 357 Dive Leadership - Divemaster
- MARB 457 Dive Leadership - Dive Instructor

In addition to the course requirements listed above, students:

- Must complete a medical statement showing no contra-indications to diving or having a recreational scuba diver's physical examination.
- Must maintain a GPA of 2.5.
- Must maintain good health and fitness appropriate to the level of diving required. Adverse behaviors that put the diver or other participants at risk such as the use of alcohol or certain medicines may require the diver to be removed from the program.

Minor in Marine Biology

Students in other majors may establish a minor field of study in Marine Biology through completing 16 credits of MARB course selected in consultation with a Marine Biology advisor, choosing from the courses listed below. The student must have earned a C or better in BIOL 111 and BIOL 112.

- MARB 301 Genetics
- MARB 311 Ichthyology
- MARB 315 Natural History of Vertebrates
- MARB 360 Marine Conservation Biology
- MARB 400 Biology of Marine Mammals
- MARB 408 Marine Botany
- or MARB 430 Coastal Plant Ecology
- MARB 425 Marine Ecology
- MARB 435 Marine Invertebrate Zoology
# Detail Requirements

Information for Degree Evaluation

This is NOT an official evaluation.

## Program Evaluation

**Limitation Correspondence:** No more than 12 hours of correspondence earned through an accredited institution may be used for an undergraduate degree.

**Limitation Combination:** Maximum combination of 18 hours of 481, 482, 485 and/or 491 courses may be used for an undergraduate degree.

<table>
<thead>
<tr>
<th>Program</th>
<th>[GV] BS MARB</th>
<th>Catalog Term</th>
<th>[GV] BS MARB</th>
<th>Catalog Term</th>
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</thead>
<tbody>
<tr>
<td>Campus</td>
<td>Galveston</td>
<td>Evaluation Term</td>
<td>Fall 2015 - Galveston</td>
<td>Evaluation Term</td>
</tr>
<tr>
<td>College</td>
<td>Galveston Campus</td>
<td>Expected Graduation Date</td>
<td>Fall 2015 - College Station</td>
<td>Expected Graduation Date</td>
</tr>
<tr>
<td>Degree</td>
<td>Bachelor of Science</td>
<td>Request Number</td>
<td>16</td>
<td>Request Number</td>
</tr>
<tr>
<td>Level</td>
<td>Undergraduate</td>
<td>Results as of</td>
<td>Nov 10, 2015</td>
<td>Results as of</td>
</tr>
<tr>
<td>Majors</td>
<td>Marine Biology</td>
<td>Minor(s)</td>
<td>Diving Technology and Methods</td>
<td>Minor(s)</td>
</tr>
<tr>
<td>Departments</td>
<td>Marine Biology</td>
<td>Concentrations</td>
<td></td>
<td>Concentrations</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Met Credits Courses</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Required</td>
<td>No</td>
<td>120.00</td>
<td>Used</td>
</tr>
<tr>
<td>Program GPA</td>
<td>Yes</td>
<td>.00</td>
<td>.00</td>
</tr>
<tr>
<td>Overall GPA</td>
<td>No</td>
<td>2.00</td>
<td>.00</td>
</tr>
<tr>
<td>Other Course Information</td>
<td></td>
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<tr>
<td>Transfer</td>
<td></td>
<td>0.00</td>
<td>0</td>
</tr>
</tbody>
</table>

This is NOT an official evaluation.

### Area Major Coursework (40.000 credits) - Not Met

<table>
<thead>
<tr>
<th>Met Condition Rule Subject Attribute Low High Required Credits</th>
<th>Required Courses Term Subject Course Title Attribute Credits Grade Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No A. BIOL 111</td>
<td>Must make a grade of &quot;C&quot; or better.</td>
</tr>
<tr>
<td>No AND B. BIOL 112</td>
<td>Must make a grade of &quot;C&quot; or better.</td>
</tr>
<tr>
<td>No AND C. MARB 301</td>
<td></td>
</tr>
<tr>
<td>No AND D. MARB 303</td>
<td></td>
</tr>
<tr>
<td>No AND E. MARB 310</td>
<td></td>
</tr>
<tr>
<td>No AND F. MARB 315</td>
<td></td>
</tr>
<tr>
<td>No AND G. MARB 420</td>
<td></td>
</tr>
<tr>
<td>No AND H. MARB 425</td>
<td></td>
</tr>
<tr>
<td>No AND I. MARB 435</td>
<td></td>
</tr>
<tr>
<td>No AND J. MARB 462</td>
<td></td>
</tr>
<tr>
<td>No AND K. Botany Reqmt 4hrs</td>
<td>Select from MARB 408 or MARB 430.</td>
</tr>
</tbody>
</table>

unofficial evaluation

### Area Supporting Coursework (23.000 credits) - Not Met

<table>
<thead>
<tr>
<th>Met Condition Rule Subject Attribute Low High Required Credits</th>
<th>Required Courses Term Subject Course Title Attribute Credits Grade Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>No A. Earth Science Bective 3hrs</td>
<td></td>
</tr>
</tbody>
</table>

https://compass-sab.tamu.edu/pls/PROD/lbwckapp.P_VerifyDispEvalViewOption
Select from BIO I 104-499; OCNG 251-499; METR 302.

No AND B. Directed Electives I 12 hrs
Select from BIOI 351; MARB 311, 330, 340, 350, 400, 401, 404, 407, 409, 418, 430, 466; MARS 360, 361.

No AND C. Directed Electives II 8 hrs
Select from BIO I 351; MARB 300-499; MARS 360-361.
Note: Students can only select 2 mammal courses (MARB 400, 401, 403, 404, 407) and only 4 hours from MARS 360 and 361.

Total Credits and GPA 0.000 .00

unofficial evaluation

Area Communication (6.000 credits) - Not Met

<table>
<thead>
<tr>
<th>Met Condition Rule Subject Attribute Low High Required</th>
<th>Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>No A. ENGL 104</td>
<td></td>
</tr>
<tr>
<td>No AND B. ENGL 210</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits and GPA 0.000 .00

unofficial evaluation

Area Mathematics (6.000 credits) - Not Met

<table>
<thead>
<tr>
<th>Met Condition Rule Subject Attribute Low High Required</th>
<th>Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>No A. Mathematics Reqmt I 3 hrs</td>
<td></td>
</tr>
<tr>
<td>Select from MATH 142, 151.</td>
<td></td>
</tr>
<tr>
<td>No AND B. Mathematics Reqmt II 3 hrs</td>
<td></td>
</tr>
<tr>
<td>Select from MATH 141, 150, 152, 165; PHIL 240.</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits and GPA 0.000 .00

unofficial evaluation

Area Life and Physical Sciences (24.000 credits) - Not Met

<table>
<thead>
<tr>
<th>Met Condition Rule Subject Attribute Low High Required</th>
<th>Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>No A. CHEM 101</td>
<td></td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
</tr>
<tr>
<td>1. 4 hrs. Take C-REM 101.</td>
<td></td>
</tr>
<tr>
<td>2. 4 hrs. Take C-REM 101, 111.</td>
<td></td>
</tr>
<tr>
<td>No AND B. CHEM 102.</td>
<td></td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
</tr>
<tr>
<td>1. 4 hrs. Take CHEM 102.</td>
<td></td>
</tr>
<tr>
<td>2. 4 hrs. Take CHEM 102, 112.</td>
<td></td>
</tr>
<tr>
<td>No AND C. CHEM 237</td>
<td></td>
</tr>
<tr>
<td>No AND D. CHEM 237</td>
<td></td>
</tr>
<tr>
<td>No AND E. CHEM 228</td>
<td></td>
</tr>
<tr>
<td>No AND F. CHEM 238</td>
<td></td>
</tr>
<tr>
<td>No AND G. Physics I Reqmt 4 hrs</td>
<td></td>
</tr>
<tr>
<td>Select from PHYS 201 or 210.</td>
<td></td>
</tr>
<tr>
<td>No AND H. Physics II Reqmt 4 hrs</td>
<td></td>
</tr>
<tr>
<td>Select from PHYS 202 or 208.</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits and GPA 0.000 .00

unofficial evaluation
<table>
<thead>
<tr>
<th>Area</th>
<th>Language, Philosophy &amp; Culture (3.000 credits) - Not Met</th>
</tr>
</thead>
<tbody>
<tr>
<td>Met</td>
<td>Condition Rule Subject</td>
</tr>
<tr>
<td>No</td>
<td>A. Lang, Phil, Culture Reqmt 3hrs</td>
</tr>
<tr>
<td></td>
<td>Total Credits and GPA</td>
</tr>
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</table>

unofficial evaluation

<table>
<thead>
<tr>
<th>Area</th>
<th>Creative Arts (3.000 credits) - Not Met</th>
</tr>
</thead>
<tbody>
<tr>
<td>Met</td>
<td>Condition Rule Subject</td>
</tr>
<tr>
<td>No</td>
<td>A. Creative Arts Requirement</td>
</tr>
<tr>
<td></td>
<td>Total Credits and GPA</td>
</tr>
</tbody>
</table>

unofficial evaluation

<table>
<thead>
<tr>
<th>Area</th>
<th>Social and Behavioral Sciences (3.000 credits) - Not Met</th>
</tr>
</thead>
<tbody>
<tr>
<td>Met</td>
<td>Condition Rule Subject</td>
</tr>
<tr>
<td>No</td>
<td>A. Social Science Reqmt 3hrs</td>
</tr>
<tr>
<td></td>
<td>Total Credits and GPA</td>
</tr>
</tbody>
</table>

unofficial evaluation

<table>
<thead>
<tr>
<th>Area</th>
<th>Citizenship (12.000 credits) - Not Met</th>
</tr>
</thead>
<tbody>
<tr>
<td>Met</td>
<td>Condition Rule Subject</td>
</tr>
<tr>
<td>No</td>
<td>A. American History Reqmt 6hrs</td>
</tr>
<tr>
<td>No AND B.</td>
<td>Political Science Reqmt 9hrs</td>
</tr>
<tr>
<td></td>
<td>Total Credits and GPA</td>
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</table>

unofficial evaluation

<table>
<thead>
<tr>
<th>Area</th>
<th>Work Not Applied - Met</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>See advisor for acceptable substitutions.</td>
</tr>
<tr>
<td>Met</td>
<td>Condition Rule Subject</td>
</tr>
<tr>
<td>No</td>
<td>A. Courses not applied</td>
</tr>
<tr>
<td></td>
<td>Total Credits and GPA</td>
</tr>
</tbody>
</table>

unofficial evaluation

Area: Diving Tech. and Methods Minor (16.000 credits) - Not Met

Description: Minimum of 6 hours at 300-400 level.

Must complete a medical statement or have recreational scuba divers physician examination.

https://compass-ssb.tamu.edu/pls/PROD/bwicopp.P_VerifyDispEvalViewOption
**Detail Requirements**

Must maintain a GPA of 2.5.
Must maintain good health and fitness appropriate to the level of diving required.

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Grade Source Courses</th>
</tr>
</thead>
</table>
| No  | A. Minor Reqmt 16hrs
Select 16 hrs from (KINE 199 Conditioning Swimming, KINE 199 Positive Impact Diving, MATH 110, 110, 330, 331, 357, 457;
MATH 340, 345, 350) |

Total Credits and GPA 0.000 0.00

unofficial evaluation

<table>
<thead>
<tr>
<th>Area</th>
<th>Int'l &amp; Cult Diversity - Not Met</th>
</tr>
</thead>
<tbody>
<tr>
<td>Met</td>
<td>Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Grade Source Courses</td>
</tr>
</tbody>
</table>
| No   | A. Int'l & CulturalDiversity
6 hours required. Select from courses with the International and Cultural Diversity attribute [UICD]. |

Total Credits and GPA 0.000 0.00

unofficial evaluation

<table>
<thead>
<tr>
<th>Area</th>
<th>Foreign Language - Not Met</th>
</tr>
</thead>
<tbody>
<tr>
<td>Met</td>
<td>Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Grade Source Courses</td>
</tr>
</tbody>
</table>
| No   | A. Foreign Language Reqmt
Complete one of the following:
1. Two years of the same foreign language in High School.
2. A two semester sequence of the same foreign language for University credit. |

Total Credits and GPA 0.000 0.00

unofficial evaluation

<table>
<thead>
<tr>
<th>Area</th>
<th>GPR-Major - Not Met</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>A minimum GPR of 2.000 must be maintained on all major field of study courses.</td>
</tr>
<tr>
<td>Met</td>
<td>Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Grade Source Courses</td>
</tr>
</tbody>
</table>
| No | A. Major GPR 40+hrs
Includes BIOL 111, 112; MARB 100-499. |

Total Credits and GPA 0.000 0.00

unofficial evaluation

<table>
<thead>
<tr>
<th>Area</th>
<th>Residence Requirement - Not Met</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Student must complete minimum of 36 hours of 300-400 level course work at Texas A&amp;M University, 12 hours must be in field of study.</td>
</tr>
</tbody>
</table>

unofficial evaluation

Back to Display Options
TAMUG
CHANGE IN CURRICULUM

TEXAS A&M UNIVERSITY AT GALVESTON
DEPARTMENT OF MARINE BIOLOGY
BS IN MARINE BIOLOGY – LICENSE OPTION
Texas A&M University
Request for a Change in Curriculum
Undergraduate • Graduate • Professional

1. Program request type:
   - Undergraduate [✓]
   - Graduate [ ]
   - First Professional (e.g., DVM, JD, MD, etc.) [ ]

2. Request change for:
   - Degree Program [✓]
   - Minor [ ]
   - Certificate [ ]

3. Request submitted by (Department or Program Name): Marine Biology

4. Program Designation and Name
   (e.g., B.A. in History, Minor in History, Certificate in European Union): B.S. in Marine Biology - License Option

5. Brief description of change:
   Decreasing total credit hours from 151 to 150 to accommodate the new credit hours for required MART courses.

6. Rationale for change:
   MART 406 changed from 4 credits to 3 credits.

Use the checkboxes below to make sure that all information is included.

7. a. Proposed curriculum attached. [✓ Yes] [ ] No
    b. Current catalog curriculum with handwritten edits attached. [✓ Yes] [ ] No
    c. Current Howdy degree evaluation with handwritten edits attached. [✓ Yes] [ ] No

Please make sure the attached proposed curriculum, catalog and Howdy degree evaluation match.

8. a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes? [✓ Yes] [ ] No
    b. If yes, degree program hours will change from: 151 to: 150
    c. If yes, is the Texas Higher Education Coordinating Board form attached? [✓ Yes] [ ] No

http://www.thecb.state.tx.us/index.cfm?objectid=A0F9F7FA-9A92-4F11-2756AD3BBFF01DD60

9. If proposed changes affect other unit(s), are letters of support attached? [ ] Yes [✓ No]

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UCC/GC, January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:
Dr. John Schwarz 1/10/15 1/18/15

Department Chair (Type Name & Sign) Date Dean of College Date

Chair, College Review Committee 1/14/15

Chair, GC or UCC Date

Questions regarding this form should be directed to Curricular Services at 845-8201 or sandra-williams@tamu.edu.
Curricular Services – 04/14
# Texas A&M University at Galveston
## Marine Biology-License Option

### Name: ____________________________  
### UIN: ____________________________  

<table>
<thead>
<tr>
<th>Course</th>
<th>CR</th>
<th>Substitution</th>
<th>Course</th>
<th>CR</th>
<th>Substitution</th>
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</thead>
<tbody>
<tr>
<td><strong>Fall Semester</strong></td>
<td></td>
<td></td>
<td><strong>Spring Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 111 *</td>
<td>4</td>
<td>F S</td>
<td>BIOL 112 *</td>
<td>1</td>
<td>F S SU</td>
</tr>
<tr>
<td>CHEM 101</td>
<td>3</td>
<td>F S</td>
<td>CHEM 102</td>
<td>3</td>
<td>F S</td>
</tr>
<tr>
<td>CHEM 111</td>
<td>1</td>
<td>F S</td>
<td>CHEM 112</td>
<td>1</td>
<td>F S</td>
</tr>
<tr>
<td>MART 201 *</td>
<td>3</td>
<td>F S</td>
<td>MART 203 *</td>
<td>3</td>
<td>F S</td>
</tr>
<tr>
<td>MART 103 *</td>
<td>3</td>
<td>F S</td>
<td>MART 204 *</td>
<td>3</td>
<td>F S</td>
</tr>
<tr>
<td>MATH 141</td>
<td>3</td>
<td>F S</td>
<td>MATH 142</td>
<td>3</td>
<td>F S</td>
</tr>
</tbody>
</table>

17

| **Summer Training Cruise** | MART 200 or NAUT 200 (4 or 6 hours)* |

### Sophomore Year

<table>
<thead>
<tr>
<th>Course</th>
<th>CR</th>
<th>Substitution</th>
<th>Course</th>
<th>CR</th>
<th>Substitution</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall Semester</strong></td>
<td></td>
<td></td>
<td><strong>Spring Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 227</td>
<td>3</td>
<td>F S SU</td>
<td>CHEM 228</td>
<td>3</td>
<td>F S SU</td>
</tr>
<tr>
<td>CHEM 237</td>
<td>1</td>
<td>F S SU</td>
<td>CHEM 238</td>
<td>1</td>
<td>F S</td>
</tr>
<tr>
<td>MARB 300</td>
<td>2</td>
<td>ENGL 104</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>HIST 105</td>
<td>3</td>
<td></td>
<td>MART 301 *</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>NVSC 200 *</td>
<td>3</td>
<td></td>
<td>MART 303 *</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PHYS 201</td>
<td>4</td>
<td>F S</td>
<td>PHYS 202</td>
<td>4</td>
<td>F S</td>
</tr>
</tbody>
</table>

16

| **Summer Shoreside** | ECON 203, ENGL 210, Elective in Language/Philosophy/Culture (9 hours total) |

### Junior Year

<table>
<thead>
<tr>
<th>Course</th>
<th>CR</th>
<th>Substitution</th>
<th>Course</th>
<th>CR</th>
<th>Substitution</th>
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<tbody>
<tr>
<td><strong>Fall Semester</strong></td>
<td></td>
<td></td>
<td><strong>Spring Semester</strong></td>
<td></td>
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</tr>
<tr>
<td>MARB 315</td>
<td>4</td>
<td></td>
<td>MART 304 *</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>MARB 303</td>
<td>3</td>
<td></td>
<td>MART 202 *</td>
<td>3</td>
<td>or MART 305</td>
</tr>
<tr>
<td>MART 306 *</td>
<td>4</td>
<td></td>
<td>MART 307 *</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MART 312 *</td>
<td>3</td>
<td></td>
<td>MART 406 *</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MARB 321 *</td>
<td>2</td>
<td></td>
<td>POLS 206</td>
<td>3</td>
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</tbody>
</table>

16

| **Summer Training Cruise** | MART 300 or MART 350 or NAUT 300 (4 or 6 hours)* |

### Senior Year

<table>
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<tr>
<th>Course</th>
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<th>Substitution</th>
<th>Course</th>
<th>CR</th>
<th>Substitution</th>
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</thead>
<tbody>
<tr>
<td><strong>Fall Semester</strong></td>
<td></td>
<td></td>
<td><strong>Spring Semester</strong></td>
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</tr>
<tr>
<td>MARB 310</td>
<td>4</td>
<td></td>
<td>MARB 311</td>
<td>4</td>
<td>SPRING</td>
</tr>
<tr>
<td>MARB 425</td>
<td>4</td>
<td>FALL</td>
<td>MARB 435</td>
<td>4</td>
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<td>MART 410 *</td>
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<td>OCNG 251</td>
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</tr>
<tr>
<td>POLS 204</td>
<td>3</td>
<td></td>
<td>MART 498 *</td>
<td>2</td>
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<tr>
<td>Elective in Creative Arts 3</td>
<td>3</td>
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<td>HIST 106 1</td>
<td>3</td>
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</tr>
</tbody>
</table>

16

| **Summer Training Cruise** | MART 400 or NAUT 400 (4 or 6 hours)* |

### Comments:

- **F (Fall) S (Spring) SU (Summer)**
- **Total: 150**

---

1 Required to have a 3 hour American History course. May substitute HIST 226 or HIST 232.

2 Required to have 6 hours with ICC attribute in order to graduate. It is possible to use Language/Philosophy/Culture, Social Science, Summer Cruises and MARB electives to satisfy the requirement if the course also has the ICC attribute.

---

* Writing Intensive - Minimum 2 courses

* Courses requiring a grade of "C" or better
Curriculum in Marine Biology - License Option (MARB-LO)

The Department of Marine Biology offers these three degree programs: Marine Biology (MARB), Marine Biology License Option (MARB/LO) and Marine Fisheries (MARB). These curricula are subject to the following rules and requirements:

- The student shall have earned at least a grade of C in BIOL 111 and 112. Students may not advance to BIOL 112 until a grade of C or better is earned in BIOL 111.
- Transfer students must have a minimum GPA of 2.5 or approval of the MARB Department Head to be admitted to the department. Transfer students with the required courses who meet the criteria listed above may be admitted directly into the MARB, MARB/LO and MARF degree programs.
- Preference for available seats in courses in the Department will be given to students who have been admitted to the degree program. If additional spaces are available, students from other departments for whom courses in the Department are on their program of study, and who meet the course prerequisites, may be enrolled.
- It is the student's responsibility to satisfactorily complete prerequisite coursework before enrolling in more advanced courses.

The Marine Biology License Option program allows the marine biology student to prepare for a career as an officer aboard a seagoing vessel by participating in the Texas A&M Maritime Academy Corps of Midshipmen. The curriculum provides the basics of marine biology as well as courses leading toward licensing as a Third Mate of any gross tonnage upon oceans, steam, or motor vessels, in the U.S. Merchant Marine.

The Marine Biology License Option curriculum is an abbreviated version of the Marine Biology curriculum and is oriented toward field activities consistent with service aboard research vessels. Students who wish to attend a biologically-oriented graduate program, or are interested in the medical professions, are advised to take additional coursework in development biology, genetics, biochemistry, and physiology.

Midshipmen who enroll in and apply to graduate in this curriculum must pass the license examination for Third Mate in order to graduate from Texas A&M University. Certain USCG courses require a minimum grade of C (70%).

### Freshman Year

#### Fall Semester

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<th>Course</th>
<th>Title</th>
<th>Credits</th>
<th>Hours</th>
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</thead>
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<td>BIOL 111</td>
<td>Introductory Biology I &amp; †</td>
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<tr>
<td>CHEM 101</td>
<td>Fundamentals of Chemistry I</td>
<td>3</td>
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<td>CHEM 111</td>
<td>Fundamentals of Chemistry Laboratory I</td>
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<td>MART 103</td>
<td>Basic Safety and Lifeboatman Training **</td>
<td>3</td>
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<tr>
<td>MART 201</td>
<td>Naval Architecture II ‡</td>
<td>3</td>
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<tr>
<td>MATH 141</td>
<td>Business Mathematics I ‡</td>
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#### Spring Semester

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<th>Hours</th>
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<td>BIOL 112</td>
<td>Introductory Biology II Δ†</td>
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<td>CHEM 102</td>
<td>Fundamentals of Chemistry II</td>
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<td>CHEM 112</td>
<td>Fundamentals of Chemistry Laboratory II</td>
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<td>MART 203</td>
<td>Seamen'ship I ‡</td>
<td>3</td>
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<td>MART 204</td>
<td>Terrestrial Navigation ‡</td>
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<tr>
<td>MATH 142</td>
<td>Business Mathematics II</td>
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**SUMMER TRAINING CRUISE** (see Texas A&M Maritime Academy section for cruise requirements)

**MART 200 or NAUT 200**

#### Sophomore Year

#### Fall Semester

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<th>Hours</th>
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<tr>
<td>CHEM 227</td>
<td>Organic Chemistry I</td>
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<td>CHEM 237</td>
<td>Organic Chemistry Lab.</td>
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<tr>
<td>MARB 300</td>
<td>Scientific Methods †</td>
<td>2</td>
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<tr>
<td>NVSC 200</td>
<td>Merchant Marine Officer I ‡</td>
<td>3</td>
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<td>PHYS 201</td>
<td>College Physics.</td>
<td>4</td>
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<td>Elective in American History</td>
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#### Spring Semester

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<td>CHEM 228</td>
<td>Organic Chemistry II</td>
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<td>Organic Chemistry Lab II</td>
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<tr>
<td>ENGL 104</td>
<td>Composition and Rhetoric</td>
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<tr>
<td>MART 301</td>
<td>Seamen'ship I ‡</td>
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<tr>
<td>MART 303</td>
<td>Celestial Navigation ‡</td>
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<td>PHYS 202</td>
<td>College Physics</td>
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#### Shoreside Summer

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<tr>
<td>ECON 203</td>
<td>Principles of Economics</td>
<td>3</td>
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<tr>
<td>ENGL 210</td>
<td>Technical and Business Writing</td>
<td>3</td>
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<td>--------------------------------</td>
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<tr>
<td>Elective in Language, Philosophy and Culture</td>
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<td><strong>Total Hours</strong></td>
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**JUNIOR YEAR**

**Fall Semester**

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<tr>
<td>MARB 303</td>
<td>Biostatistics</td>
<td>(2-2) 3</td>
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<tr>
<td>MARB 315</td>
<td>Natural History of Vertebrates</td>
<td>(3-3) 4</td>
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<tr>
<td>MART 306</td>
<td>RADAR/ARPA/ECDIS **</td>
<td>(3-3) 4</td>
</tr>
<tr>
<td>MART 312</td>
<td>Marine Cargo Operations I **</td>
<td>(3-0) 3</td>
</tr>
<tr>
<td>MART 321</td>
<td>Maritime Law I **</td>
<td>(2-0) 2</td>
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<tr>
<td><strong>Total Hours</strong></td>
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**Spring Semester**

<table>
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<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MART 304</td>
<td>Electronic Navigation **</td>
<td>(1-3) 2</td>
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<tr>
<td>MART 202 **</td>
<td>Naval Architecture II</td>
<td>(3-0) 3</td>
</tr>
<tr>
<td>or MART 305</td>
<td>Ship Construction and Stability **</td>
<td>(3-0) 3</td>
</tr>
<tr>
<td>MART 307</td>
<td>Global Maritime Distress Safety System **</td>
<td>(2-3) 3</td>
</tr>
<tr>
<td>MART 406</td>
<td>Marine Cargo Operations II **</td>
<td>(3-0) 3</td>
</tr>
<tr>
<td>POLS 206</td>
<td>American National Government</td>
<td>(3-0) 3</td>
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<td><strong>Total Hours</strong></td>
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**SUMMER TRAINING CRUISE** (see Texas A&M Maritime Academy section for cruise requirements)

- MART 300 or MART 350 or NAUT 300 **\(n\) | 4 (or 6)\(n\)

**SENIOR YEAR**

**Fall Semester**

<table>
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<th>Course</th>
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<tr>
<td>MARB 310</td>
<td>Cell Biology</td>
<td>(3-3) 4</td>
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<td>MARB 425</td>
<td>Marine Ecology</td>
<td>(3-3) 4</td>
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<tr>
<td>MART 410</td>
<td>Bridge Watchstanding **</td>
<td>(1-3) 2</td>
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<tr>
<td>POLS 207</td>
<td>State and Local Government</td>
<td>(3-0) 3</td>
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<tr>
<td>Elective in Creative Arts</td>
<td>(3-0) 3</td>
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**Spring Semester**

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<tbody>
<tr>
<td>MARB 311</td>
<td>Ichthyology</td>
<td>(3-3) 4</td>
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<td>MART 435</td>
<td>Invertebrate Zoology</td>
<td>(3-3) 4</td>
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<tr>
<td>MART 498</td>
<td>Maritime Medical Care **</td>
<td>(1-3) 2</td>
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<tr>
<td>OCN 251</td>
<td>Oceanography</td>
<td>(3-0) 3</td>
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<tr>
<td>Elective in American History</td>
<td>(3-0) 3</td>
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<tr>
<td><strong>Total Hours</strong></td>
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</table>

**SUMMER TRAINING CRUISE** (see Texas A&M Maritime Academy section for cruise requirements)

- MART 400 or NAUT 400 **\(n\) | 4 (or 6)\(n\)

| **Total Curriculum Hours** | 157 |

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**Notes for Marine Biology - License Option**

Note: All electives must be chosen in consultation with, and approved by, the student's academic advisor. Unless courses are specifically listed, see University Core Curriculum at [http://core.tamu.edu/](http://core.tamu.edu/) for a listing of course options for Communication; Mathematics; Life and Physical Sciences; Language, Philosophy and Culture; Creative Arts; American History; Government and Political Sciences; and Social and Behavioral Sciences. The 6-hour University Core Curriculum requirement for International and Cultural Diversity may be met with courses used to satisfy other degree requirements.

\(\Delta\) - A grade of "C" or better is required before advancing to upper level courses.

\(\dagger\) Indicates required courses in the Marine Biology License Option major. These courses will be used to compute the major GPA.

\(\ddagger\) Indicates license courses leading to a USCG/STCW license endorsement or sea time credit accrual which require a minimum grade of 'C' (70%) or better to earn the endorsement or accrual. Midshipmen will be required to repeat the course until they earn a grade of 'C' (70%) or better. MART 307 requires a grade of 75% or better.

\(\S\) - Designated writing intensive course.

\(n\) - The total hours may be increased if the student is required to take remedial math, remedial English, foreign language course or any of the six-hour cruise options. The six-hour cruise options (NAUT 208, 309, and 409 or MART 208, 309 and 408) do not add any required hours to the degree plan.
Detail Requirements

Information for Degree Evaluation

This is NOT an official evaluation.

Program Evaluation

Limitation: Correspondence: No more than 14 hours of correspondence earned through an accredited institution may be used for an undergraduate degree.

Limitation: Combination: Maximum combination of 18 hours of 481, 482, 485 and/or 491 courses may be used for an undergraduate degree.

Program: [GV] 85 MARB-License Option
Catalog Term: Fall 2015 - Galveston
Evaluation Term: Fall 2015 - Galveston
Expected Graduation Date: 4
Request Number:
Results as of:
Minor:
Concentrations:

Met Credits Courses
Required Used Required Used

Total Required: No 181.000 0.000
Program GPA: Yes .00 .00
Overall GPA: No 2.00 .00
Other Course Information
Transfer: 0.000 0

This is NOT an official evaluation.

Area: Major Coursework (33.000 credits) - Not Met

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition Rule Subject Attribute Low High Required Credits Required Courses</th>
<th>Term Subject Course Title Attribute Credits Grade Source</th>
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<td>No</td>
<td>A. MOL 111 must make a grade of &quot;C&quot; or better.</td>
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<tr>
<td>No</td>
<td>B. BIOL 112 must make a grade of &quot;C&quot; or better.</td>
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</tr>
<tr>
<td>No</td>
<td>C. MARB 300</td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>D. MARB 303</td>
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</tr>
<tr>
<td>No</td>
<td>E. MARB 310</td>
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<tr>
<td>No</td>
<td>F. MARB 311</td>
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<td>No</td>
<td>G. MARB 315</td>
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<td>No</td>
<td>H. MARB 425</td>
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<tr>
<td>No</td>
<td>I. MARB 435</td>
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</tbody>
</table>

unofficial evaluation

Area: License Courses (59.000 credits) - Not Met

Description: Must make a grade of "C" or better in all license courses.

| Met | Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Grade Source |
|-----|--------------------------------------------------------------------------------|--------------------------------------------------------|
| No  | A. MAF 103 must make a grade of "C" or better.                                 |                                                        |
| No  | B. MAF 200 or HAUT 200                                                        |                                                        |
Detail Requirements

- Must make a grade of "C" or better.

No AND C. MATH 201
- Must make a grade of "C" or better.

No AND D. MATH 202 or MATH 305
- Must make a grade of "C" or better.

No AND E. MATH 203
- Must make a grade of "C" or better.

No AND F. MATH 204
- Must make a grade of "C" or better.

No AND G. MATH 300 or 350 or HAU 300
- Must make a grade of "C" or better.

No AND H. MATH 301
- Must make a grade of "C" or better.

No AND I. MATH 303
- Must make a grade of "C" or better.

No AND J. MATH 304
- Must make a grade of "C" or better.

No AND K. MATH 306
- Must make a grade of "C" or better.

No AND L. MATH 307 or HAU 307
- Must make 75% or better.

No AND M. MATH 312
- Must make a grade of "C" or better.

No AND N. MATH 321
- Must make a grade of "C" or better.

No AND O. MATH 400 or HAU 400
- Must make a grade of "C" or better.

No AND P. MATH 406
- Must make a grade of "C" or better.

No AND Q. MATH 410
- Must make a grade of "C" or better.

No AND R. MATH 408
- Must make a grade of "C" or better.

No AND S. MVSC 200
- Must make a grade of "C" or better.

unofficial evaluation

Area Communication (6.000 credits) - Not Met

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<th>Term</th>
<th>Subject</th>
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<tr>
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<td>AND B.</td>
<td>CNGL 210</td>
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unofficial evaluation

Area Mathematics (6.000 credits) - Not Met

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<th>Required Courses</th>
<th>Term</th>
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<td>No</td>
<td>AND B.</td>
<td>MATH Rqmt II 3hrs</td>
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unofficial evaluation

### Area: Life and Physical Sciences (27.000 credits) - Not Met

<table>
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<th>Term Subject Course</th>
<th>Title Attribute</th>
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<th>Grade Source</th>
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<tbody>
<tr>
<td>No A.</td>
<td>CHEM 101</td>
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Total Credits and GPA 0.000 .00

unofficial evaluation

### Area: Language, Philosophy & Culture (3.000 credits) - Not Met

<table>
<thead>
<tr>
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<th>Subject</th>
<th>Attribute</th>
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<th>High Required Credits</th>
<th>Required Courses</th>
<th>Term Subject Course</th>
<th>Title Attribute</th>
<th>Credits</th>
<th>Grade Source</th>
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<tr>
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<td>Lang, Phil, Culture Rqnt 3hrs</td>
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Total Credits and GPA 0.000 .00

unofficial evaluation

### Area: Creative Arts (3.000 credits) - Not Met

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<thead>
<tr>
<th>Met Condition Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low Required Credits</th>
<th>High Required Credits</th>
<th>Required Courses</th>
<th>Term Subject Course</th>
<th>Title Attribute</th>
<th>Credits</th>
<th>Grade Source</th>
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<tbody>
<tr>
<td>No A.</td>
<td>Creative Arts Requirement</td>
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Total Credits and GPA 0.000 .00

unofficial evaluation

### Area: Social and Behavioral Sciences (3.000 credits) - Not Met

<table>
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<th>Subject</th>
<th>Attribute</th>
<th>Low Required Credits</th>
<th>High Required Credits</th>
<th>Required Courses</th>
<th>Term Subject Course</th>
<th>Title Attribute</th>
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<tr>
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<td>ECON 203</td>
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Total Credits and GPA 0.000 .00

unofficial evaluation

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3 of 5 11/10/2015 10:10 AM
<table>
<thead>
<tr>
<th>Area</th>
<th>Citizenship (12.000 credits) - Not Met</th>
</tr>
</thead>
<tbody>
<tr>
<td>Met</td>
<td>Condition Rule Subject Attribute Low High Required Credits</td>
</tr>
<tr>
<td>No</td>
<td>A. American History 6hrs</td>
</tr>
<tr>
<td>No AND</td>
<td>B. Political Science 6hrs</td>
</tr>
<tr>
<td></td>
<td>Take POLS 206 and POLS 207.</td>
</tr>
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</table>

unofficial evaluation

<table>
<thead>
<tr>
<th>Area</th>
<th>Work Not Applied - Met</th>
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</thead>
<tbody>
<tr>
<td>Description</td>
<td>See advisor for acceptable substitutions.</td>
</tr>
<tr>
<td>Met</td>
<td>Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Grade Source Credits Courses</td>
</tr>
<tr>
<td>No</td>
<td>A. Courses not applied</td>
</tr>
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</table>

unofficial evaluation

<table>
<thead>
<tr>
<th>Area</th>
<th>University Writing Requirement - Not Met</th>
</tr>
</thead>
<tbody>
<tr>
<td>Met</td>
<td>Condition Rule Subject Attribute Low High Required Credits</td>
</tr>
<tr>
<td>No</td>
<td>A. Writing Requirement</td>
</tr>
<tr>
<td></td>
<td>Select two courses with the Writing Requirement [WWR] attribute.</td>
</tr>
</tbody>
</table>

unofficial evaluation

<table>
<thead>
<tr>
<th>Area</th>
<th>Intl &amp; Cult Diversity - Not Met</th>
</tr>
</thead>
<tbody>
<tr>
<td>Met</td>
<td>Condition Rule Subject Attribute Low High Required Credits</td>
</tr>
<tr>
<td>No</td>
<td>A. Intl &amp; Cultural Diversity</td>
</tr>
<tr>
<td></td>
<td>6 hours required. Select from courses with the International and Cultural Diversity attribute [JUCB].</td>
</tr>
</tbody>
</table>

unofficial evaluation

<table>
<thead>
<tr>
<th>Area</th>
<th>Foreign Language - Not Met</th>
</tr>
</thead>
<tbody>
<tr>
<td>Met</td>
<td>Condition Rule Subject Attribute Low High Required Credits</td>
</tr>
<tr>
<td>No</td>
<td>A. Foreign Language 6hrs</td>
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<tr>
<td></td>
<td>Complete one of the following:</td>
</tr>
<tr>
<td></td>
<td>1. Two years of the same foreign language in High School.</td>
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<tr>
<td></td>
<td>2. A two semester sequence of the same foreign language for University credit.</td>
</tr>
</tbody>
</table>
### GPA-Major - Not Met

**Description:** A minimum GPA of 2.400 must be maintained in all major field of study courses.

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
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<th>Required</th>
<th>Term</th>
<th>Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Grade</th>
<th>Source</th>
<th>Courses</th>
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<tbody>
<tr>
<td>No</td>
<td>A. Major GPA 33 hrs</td>
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</table>

*Includes BIO 111, 112; MATH 150-499.

**Total Credits and GPA:** 0.000 .00

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### Residence Requirement - Not Met

**Description:** Student must complete minimum of 36 hours of 300-400 level course work at Texas A&M University, 12 hours must be in field of study.

<table>
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<tr>
<th>Met</th>
<th>Condition Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required</th>
<th>Term</th>
<th>Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Grade</th>
<th>Source</th>
<th>Courses</th>
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<tbody>
<tr>
<td>No</td>
<td>A. Residence - Major 12 hrs</td>
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<tr>
<td>No</td>
<td>AND B. Residence 24 hrs</td>
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</table>

**Total Credits and GPA:** 0.000 .00

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unofficial evaluation

Back to Display Options
Texas Higher Education Coordinating Board
Request to Change Semester Credit Hours

Directions: An institution shall use this form to request a change in the number of semester credit hours (SCH) required for a degree program already on the institution's program inventory in accordance with Coordinating Board Rules, Chapter 5, Subchapter C, Section 5.55 – Revisions to Approved Programs.

Options:

1) Revisions that reduce the number of SCH require notification of change and affirmation that the reduction does not fall below the minimum requirements of the Southern Association of Colleges and Schools Commission on Colleges, program accreditors, and licensing bodies, if applicable.

2) Revisions that increase the number of SCH require detailed written documentation describing the compelling academic reason for the increase in the number of required hours.

NOTE: No request or notification is needed if revisions to the degree program curriculum do not result in a change in SCH.

Options 1 and 2 require the signature of the Provost or Chief Academic Officer.

Please submit Request to Change Semester Credit Hour via the Online Submission Portal: https://www1.thecb.state.tx.us/apps/proposals/.

Information: Contact the Division of Workforce, Academic Affairs and Research at 512/427-6200.

Administrative Information

1. Institution: Texas A&M University at Galveston

2. Program Name: Bachelor of Science degree in Marine Biology-License Option

3. Program CIP Code: 26.1302.00

4. Contact Person:
   Name: Dr. John Schwarz
   Title: Department Head
   E-mail: schwarzj@tamug.edu
   Phone: 409-740-4453

WAAR

Updated 1.26.12
Form for SCH Changes
Page 2

Notification/Request for Change in Semester Credit Hours (SCH):

Current SCH: 151

Proposed SCH: 150

Implementation Date: August 2016

Complete Option 1 or 2 as appropriate

Option 1: Reduction in Semester Credit Hours

Is the change in the number of SCH compatible with the requirements of accreditation for the program?

a. Southern Association of Colleges and Schools Commission on Colleges
   ☒ YES ☐ NO

b. Program Accreditor(s)
   ☒ YES ☐ NO ☐ NA
   Name of Program Accreditor: U.S. Coast Guard

c. Licensing Body(ies)
   ☒ YES ☐ NO ☐ NA
   Name of Licensing Body(ies): U.S. Coast Guard

Option 2: Increase in Semester Credit Hours.
Provide detailed documentation, such as changes in accrediting agency or licensing body requirements, workforce needs, or academic professional standards and needs, describing a compelling reason for the change in the number of SCH:

Signature of Compliance

I hereby certify that all of the above changes have been approved in accordance with the procedures outlined in Coordinating Board Rules, Chapter 5, Subchapter C, Section 5.55.

Provost/Chief Academic Officer ________________________________ Date ________________________________
SPECIAL CONSIDERATION
SPECIAL CONSIDERATION

COLLEGE OF AGRICULTURE AND LIFE SCIENCES

DEPARTMENT OF RECREATION, PARK AND TOURISM SCIENCES

B.S. IN COMMUNITY DEVELOPMENT

REQUEST TO DISCONTINUE DEGREE PROGRAM
Texas A&M University
Request for a Change in Curriculum
Undergraduate • Graduate • Professional

1. Program request type: □ Undergraduate □ Gradute □ First Professional (e.g., DVM, JD, MD, etc.)
   □ Degree Program □ Minor □ Certificate

2. Request change for: Recreation, Park and Tourism Sciences

3. Request submitted by (Department or Program Name): B.S. in Community Development
   Program Designation and Name:
   (e.g., B.A. in History, Minor in History, Certificate in European Union):

4. Brief description of change: Degree will not be offered at the conclusion of the Teach-Out plan.

6. Rationale for change: Student numbers have dropped to 16, despite concerted efforts to recruit new students; five of these students will graduate in December 2015. The faculty member who has been teaching courses in CDEV is needed to teach high-demand RPTS undergraduate and graduate courses.

Use the checkboxes below to make sure that all information is included.

7. a. Proposed curriculum attached. □ Yes □ No
   b. Current catalog curricula with handwritten edits attached. □ Yes □ No
   c. Current Howdy degree evaluation with handwritten edits attached. □ Yes □ No

Please make sure the attached proposed curriculum, catalog and Howdy degree evaluation match.

8. a. Will degree program hour change (increase/decrease) due to the proposed curriculum changes? □ Yes □ No
   b. If yes, degree program hours will change from: ________ to: ________
   c. If yes, is the Texas Higher Education Coordinating Board form attached?
      http://www.thecb.state.tx.us/index.cfm?objectid=A0F9E7FA-9A92-4F11-2756AD3BBF01D60
   □ Yes □ No

9. If proposed changes affect other unit(s), are letters of support attached? □ Yes □ No

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UCC/GC, January-Faculty Senate, February-Resident) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:
Gary D. Ellis, PhD □ Yes □ No
Department/Head or Program Chair (Type Name & Sign) Date

Dean of College Date

Chair, College Review Committee Date

Chair, GC or UCC

Questions regarding this form should be directed to Curricular Services at 845-8201 or sandra-williams@tamu.edu.
Curricular Services—04/14

R RECEIVED
CURRICULAR SERVICES NOV 19 2015
Teach-out Plan

B.S. in Community Development
Agriculture and Life Sciences
Texas A&M University

Adapted from the Southern Association of Colleges and Schools Commission on Colleges Substantive Change for Accredited Institutions of the Commission of Colleges.

1. Date of program closure.

June 2019

2. An explanation of how affected parties (students, faculty, staff) will be informed of the impending closure.

The 16 students majoring in CDEV will receive notification by email, and will be required to have an individual advising appointment with their academic advisor. The RPTS faculty members were involved in the decision. The SOCI professor who teaches a co-listed course will be informed by telephone by our Associate Department Head for Undergraduate Programs.

3. An explanation of how students will be helped to complete their programs of study with minimal disruption or additional expense.

The six students who have not yet taken RPTS 308 will be advised to take it in Spring 2016, as this is the last time the course will be offered. RPTS 408 will not be offered again; the five students who have not yet taken it will be advised to select from appropriate substitutions. All other courses in the degree plan will be offered regularly through 2019.

4. Signed copies of teach-out agreements with other institutions, if any.

N/A

5. How faculty and staff will be redeployed or helped to find new employment

One full-time faculty member has been responsible for teaching CDEV courses and managing the major. The department has pressing needs for this professor to teach high-demand courses in RPTS (both undergraduate and graduate), and he has expressed enthusiasm for teaching new courses.
6. If closing an institution, arrangement for the storing of student records, disposition of final financial resources and other assets.

    N/A

7. Please provide the following additional information:
   a. How many students are currently enrolled in the program?

       Sixteen students are currently enrolled; five will graduate in December 2015; no qualified applicants applied for CDEV in Fall 2015.

   b. Projected graduation date for the last student(s) in the program?

       Spring 2019

NOTE: If students will not be moved to another program, you will need to extend the program closure date in order to continue to award degrees to current students under the existing program.
SPECIAL CONSIDERATION

COLLEGE OF ARCHITECTURE

DEPARTMENT OF ARCHITECTURE

MINOR IN ARCHITECTURAL FABRICATION AND PRODUCT DESIGN

REQUEST FOR A NEW MINOR
Proposed Minor Field of Study

Name of Minor Program: Architectural Fabrication and Product Design

Department: Architecture

College: Architecture

Will grant a minor □ Yes □ No Academic Year: 2016-17

A selection from among the following courses will constitute a minor field of study.

A. The following ___6__ hours of course work are required.

   ENDS 101

   ARCH 216

B. Select ___9__ hours from the following courses.

   ARCH 353

   ARCH 381

   ARCH 317

Please indicate further requirements such as grade point requirement, prerequisites, resident (if above the minimum 6 hours at the 300- to 400-level), capstone or methods courses.

Minimum of ___15__ hours required.

Minimum of 6 hours at 300- to 400-level
C or better in all classes

Reviewed and approved by:

Department Head/Program Director Date

AOC Dean of College Date
MINOR IN ARCHITECTURAL FABRICATION AND PRODUCT DESIGN

DEPARTMENT OF ARCHITECTURE
COLLEGE OF ARCHITECTURE – TEXAS A&M UNIVERSITY

The Department of Architecture is proposing a minor in Architectural Fabrication and Product Design, offered under the Bachelor of Environmental Design Architectural Studies degree. The minor in Architectural Fabrication and Product Design can serve as a complement to several major fields of study and is open to all Texas A&M University undergraduates. The structure of the minor encourages students to gain a broad understanding of the terminology, history, prototyping, and professional practices in Architectural Product Design. The minor includes six (6) credit hours of foundation coursework and nine (9) credit hours of design, theory and practice coursework.

The Minor is made up of 15 credits of coursework as follows:

**Foundation courses:**
- **ENDS 101 – Design Process** 3 cr.
  An Introduction to design processes, issues and theories relevant to design and creativity.
- **ARCH 216 – Computational Methods in Architecture** 3 cr.
  This course will introduce students to computational tools, strategies, and processes relevant to the design of buildings and products.

**Design Theory and Practice:**
- **ARCH 353 - History of Product Design** 3 cr.
  This course is currently being taught as ARCH 489 Special Topics course enrolling approximately 19 students during Fall 2015.
- **ARCH 381 NEW COURSE) Design Seminar** (1 cr. repeat 3 times for 3 cr. Total) 3 cr.
  This course is made up of presentations by and discussions with professionals representing areas of industrial design, academic, and career futures in Industrial Design.
- **ARCH 317 – Digital Fabrication for Architecture** 3 cr.
  This course will introduce students to numerically controlled tool processes, software for fabrication, and materials for fabrication, supporting a course-based project integrating the knowledge previously acquired in the minor course of study.

  **Total** 15 cr.

At this time there are no electives included in the minor, this will be revisited on a regular basis for revision and addition of new and relevant courses.
As currently envisioned, all coursework in the minor is to be undertaken while in residence at Texas A&M University's College Station Campus.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
<th>Core Curriculum</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENDS 101</td>
<td>Design Process</td>
<td>3</td>
<td>Creative Arts</td>
<td></td>
</tr>
<tr>
<td>ARCH 216</td>
<td>Computational Methods in Architecture</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARCH 353</td>
<td>History of Product Design</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARCH 381</td>
<td>Design Seminar</td>
<td>1</td>
<td>(repeated 3x)</td>
<td></td>
</tr>
<tr>
<td>ARCH 317</td>
<td>Digital Fabrication for Architecture</td>
<td>3</td>
<td></td>
<td>ARCH 216</td>
</tr>
</tbody>
</table>

NOTES:

1. Coordination with Bachelor of Environmental Design – Architecture (B.E.D.) Degree Plan
   For students pursuing the B.E.D. degree, coursework listed above may be applied to general or free electives but may not be applied to directed electives on the B.E.D. degree.

2. Students must complete a minimum of 9 hours in residence at the 300-400 level.

Application: Students must receive signed approval from the Department of Architecture Undergraduate Advisor or the Academic Advisor for the minor. After approval, application is completed in the student's home college or major department.

Eligibility: Students applying for a minor in Architectural Fabrication and Product Design must have a 2.0 or better overall GPR. Some colleges and departments outside the College of Architecture do not permit their students to minor.

Satisfactory completion of a course: To be awarded the minor in Architectural Fabrication and Product Design and receive transcript recognition, students must obtain a "C" or better in each course listed above.
Transfer courses: The student's home college or major department may grant, with the agreement from the Department of Architecture, the transfer of one upper division course, subject to approval by the Department of Architecture Associate Head for Undergraduate Studies. A course syllabi and samples of the students work in the class must be submitted for review in order to be considered for transfer credit.

Effective date: The minor becomes effective at the beginning of the Fall Semester of 2016. Students declaring a minor in Architectural Fabrication and Product Design must meet all requirements listed in this document to receive transcript recognition.

Advising: The student's home college or major department is responsible for advising students pursuing a minor in Architectural Fabrication and Product Design.

Degree Audit: The degree audit in Compass will certify during the semester of their graduation that students have met the requirements for the minor. The minor will be recognized after graduation on the transcript, but not on the diploma. Once declared, minor requirements become graduation requirements.

Name: .................................................... Date: ..................................

UIN: .................................................... MAJOR: .............................

Email: ....................................................

Expected Graduation

Date: ....................

Office Use Only:

Application was reviewed and approved by the Department of Architecture:

Student GPR above 2.0   YES...........   NO.........

Academic Advisor, College of Architecture   Date
SPECIAL CONSIDERATION

COLLEGE OF ARCHITECTURE

DEPARTMENT OF CONSTRUCTION SCIENCE

MINOR IN LEADERSHIP IN THE DESIGN AND CONSTRUCTION PROFESSIONS

REQUEST FOR A NEW MINOR
Texas A&M University
Proposed Minor Field of Study

Name of Minor Program: Leadership in the Design & Construction Professions

Department: Construction Science

College: Architecture

Will grant a minor [✓] Yes [ ] No

Academic Year: 2016-2017

A selection from among the following courses will constitute a minor field of study.

A. The following 3 hours of course work are required.
   COSC 310

B. Select 12 hours from the following courses.
   COSC 353, 333, 463, 465, 475
   ARCH 305, 405, 406, 451, 457
   LAND 321, 421, 442
   ENDS 101
   URPN 202, 401, 483, 493

Please indicate further requirements such as grade point requirement, prerequisites, resident (if above the minimum 6 hours at the 300- to 400-level), capstone or methods courses.

Minimum of 15 hours required.

Minimum of 6 hours at 300- to 400-level

2.5 or higher TAMU overall GPA

C or better in all classes

Reviewed and approved by:

Department Head/Program Director

Date

AOC Dean of College

Date
SPECIAL CONSIDERATION
COLLEGE OF ARCHITECTURE
DEPARTMENT OF VISUALIZATION
MINOR IN GAME DESIGN AND DEVELOPMENT
REQUEST FOR A NEW MINOR
Name of Minor Program: Game Design & Development

Department: Visualization

College: Architecture

Will grant a minor ☑ Yes ☐ No       Academic Year: 2016-17

A selection from among the following courses will constitute a minor field of study.

A. The following 10 hours of course work are required.
   - CSCE 110/111 (CSCE 121 for CSCE majors)
   - CSCE 443/VIST 487 (CSCE 443 crosslisted as VIST 487)
   - CSCE 441 or VIST 486

B. Select 6 hours from the following courses.
   - COMM 230
   - VIST 374
   - COMM 453
   - VIST 370
   - CSCE 436

Please indicate further requirements such as grade point requirement, prerequisites, resident (if above the minimum 6 hours at the 300- to 400-level), capstone or methods courses.

Minimum of 16 hours required.

Minimum of 6 hours at 300- to 400-level

Minimum GPA of 3.2 for admittance into the minor

A grade of C or better in all courses taken in the minor

Reviewed and approved by:

Department Head/Program Director       Date       AOC Dean of College       Date
Texas A&M University
Proposed Minor Field of Study

Name of Minor Program: Game Design & Development

Department: Visualization

College: Architecture

Will grant a minor ☑ Yes ☐ No Academic Year: 2016-17

A selection from among the following courses will constitute a minor field of study.

A. The following 9 hours of course work are required.
   CSCE 110/111 (CSCE 121 for CSCE majors)  
   CSCE 441 or VIST 486  
   CSCE 443/VIST 487 (CSCE 443 crosslisted as VIST 487)

B. Select 9 hours from the following courses.
   COMM 230
   VIST 374
   COMM 453
   VIST 370
   CSCE 436

Please indicate further requirements such as grade point requirement, prerequisites, resident (if above the minimum 6 hours at the 300- to 400-level), capstone or methods courses.

Minimum of 8 hours required.

Minimum of 6 hours at 300- to 400-level

Minimum GPA of 3.2 for admittance into the minor

A grade of C or better in all courses taken in the minor

Reviewed and approved by:

Department Head/Program Director 1/26/15  AOC Dean of College 10/28/15
Subject: RE: minor
Date: Wednesday, July 29, 2015 at 9:25:35 PM Central Daylight Time
From: Schaefer, Scott D
To: Davison, Richard R

Dick,

I got no substantial comments back about the gaming minor. The only real comment was about the absence of CSCE 445 (Computers and New Media). But I seem to remember that being in the proposal and being taken out based on something someone else in CS said. I could be wrong though. Anyway, it appears you have the blessing of the CS department (or at least the absence of negative comments which is just as good).

Scott Schaefer
Texas A&M University

From: Davison, Richard R
Sent: Tuesday, July 28, 2015 9:15 AM
To: Schaefer, Scott D
Subject: minor

Hi Scot:  
Hope all is well.
I know people tend to be scattered this time of year BUT:
Just wondering about the status of the minor proposal.
I still need to check again with Nancy Street over in COMM re: their course offerings.
But I am thinking if we can get a tentative blessing from both COMM and CSCE, we can spread the word about the impending minor and students can begin enrolling in those classes, even though it may not be official for a while.
Dick
Hi, Dick!

Thanks! Hope all is well with you!

Yes, this looks good but with one edit. COMM 453 is titled Communication and Video games. The part you have in parentheses is a good brief description.

Best,
Nancy

Hi Nancy:
Dick Davison here (from Viz). Hope all is well.
I know people tend to be scattered this time of year BUT:
Just updating you on the status of the gaming minor proposal.
We are still looking over the proposal as you see it (attached).
I am thinking that if we can get a tentative blessing from both COMM and CSCE, we can spread the word about the impending minor and students can begin enrolling in those classes, even though it may not be official for a while.
Please let me know what you think.
Best wishes
Dick D
SPECIAL CONSIDERATION

COLLEGE OF EDUCATION AND HUMAN DEVELOPMENT
DEPARTMENT OF HEALTH AND KINESIOLOGY
BS IN KINESIOLOGY AND MS IN ATHLETIC TRAINING
REQUEST FOR A NEW 3+2 PROGRAM
October 15, 2015

To: Tim Scott  
Chair, Undergraduate Curriculum Committee

Through: George Cunningham  
Associate Dean, College of Education and Human Development

Chris Cherry  
Assistant Dean, College of Education and Human Development

From: Richard Kreider  
Department Head, Health and Kinesiology

Subject: 3+2 Proposal: BS-KINE/MS-ATTR

Attached is a proposal for a 3+2 degree program leading to a BS in Kinesiology and an MS in Athletic Training. This proposal has been approved by the Kinesiology faculty, Undergraduate Curriculum Committee and graduate faculty in the Department of Health and Kinesiology.
3+2 Program for the Bachelor of Science in Kinesiology and the Masters of Science in Athletic Training Dual Degree Program

The Department of Health and Kinesiology proposes a new dual degree program that allows undergraduate Kinesiology majors to enter the Master of Science in Athletic Training program at the beginning of their fourth year at Texas A&M University. This provides the opportunity to earn both a Bachelor of Science in Kinesiology and a Master of Science in Athletic Training in five years. Currently the department hosts a two year post-baccalaureate master’s degree that is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). This dual degree program will allow Texas A&M to recruit highly talented high school students interested in athletic training who currently seek admission to accredited undergraduate athletic training programs of which there are 13 within the state and 333 nationally. Because Texas A&M does not host an accredited undergraduate program, we are unable to recruit high school students into an athletic training program. Additionally, future changes to athletic training education nationally will move the entry-level degree in athletic training from a bachelor’s to a master’s degree within the next 7 years. Currently, there are only 4 CAATE accredited master’s programs in Texas and 35 nationally. However, with the required change to the master’s as the entry-level degree, a large percentage of the undergraduate programs will move to become master’s programs. Therefore, there will be greater competition for students as more graduate athletic training programs are developed. Many of those programs will be developed as 3+2 programs which currently comprise less than 30% of athletic training graduate programs. Having two routes to the professional level program will advantageously position our program into the future.

Application and Eligibility:

- Students will follow departmental requirements for admission into the professional phase of the BS in Kinesiology in order to enroll in professional level KINE courses (KINE 426, KINE 433, KINE 482). Once accepted into professional phase, a student’s major will be changed from EDKI to KINE.
- Interested students MUST apply to the MSAT program by February 1 of their junior year at Texas A&M. The MSAT program has a competitive admission process with only 16 seats available each year. However, seats will be reserved for 3+2 applicants that meet all minimum application standards. Any seats remaining will be filled by 4+2 applicants.
- 3+2 applicants must have a minimum undergraduate GPA of 3.25 and maintain this through 24 hours of graduate work at which time a 3.0 must be maintained for retention in the MSAT program.
- 3+2 applicants must receive a B or better in ATTR 201, ATTR 202, ATTR 301, ATTR 302 (new courses to be proposed).
- 3+2 applicants will follow the same MSAT application procedures as 4+2 applicants.

10/2/2015
• Students continuing into the 4th year of the 3+2 program must finish the entire 156 hours to obtain both the Bachelor’s and Master’s degrees. These students will be conferred with two degrees once they complete the 5th year of the concurrent program.
• Students in the 3+2 program will be required to complete the same two-year, 60 hours curriculum as other students admitted to the MSAT program.
• Students continuing in the 3+2 program will change from U4 to G7 status when they complete 96 hours (end of spring semester, year 3).
• Students will take 96 hours of undergraduate courses, and 60 hours of graduate course work, of which 24 hours will be applied to the undergraduate degree.
• Students not accepted or not allowed to continue with the 3+2 program will complete the remaining requirements for the BS degree in Kinesiology in a concentration that is most suitable to their needs (e.g., Motor Behavior, Applied Exercise Physiology). These students may apply to the traditional (4+2) graduate degree program.

3+2 Time Line:
• Apply to professional phase of KINE program in order to enroll in professional level KINE courses: by October 1 of junior year
• Once accepted into professional phase of KINE, major will be changed from EDKI to KINE allowing enrollment in KINE professional phase courses (KINE 426, 433, 482)
• Apply to MSAT program: by February 1 of junior year
• Change to graduate status (G7) after completion of 96 credits: after spring semester of 3rd year
• Apply for graduate degree plan upon approval of G7 status
• Graduation: both Bachelor’s and Master’s degrees conferred upon completion of Year 5

Degree Requirements: Bachelor of Science in Kinesiology

Major Coursework - 40
Undergraduate courses - 16
2 KINE 121 Physical and Motor Fitness Assessment
1 KINE 120 Health and Fitness
1 KINE 199 Resist Flex
1 KINE 199 Aerobic Mvmt
3 KINE 213 Foundations of Kinesiology
4 KINE 426 Exercise Biomechanics
3 KINE 433 Exercise Physiology
1 KINE 482 Writing Seminar
Graduate courses – 24

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<td>Prev and Care Lab</td>
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<td>Clin Edu II</td>
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<td>ATTR 668</td>
<td>Ther Mod</td>
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<tr>
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<td>Ther Mod Lab</td>
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Support Courses - 15

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<td>First Aid</td>
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<td>3</td>
<td>HLTH 231</td>
<td>Healthy Lifestyles</td>
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<tr>
<td>3</td>
<td>HLTH 354</td>
<td>Medical Terminology</td>
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<td>NUTR 202</td>
<td>Fundamentals of Nutrition</td>
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<td>Training I (new course)</td>
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<td>Field Experience in Athletic</td>
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<td>Training II (new course)</td>
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<td>ATTR 302</td>
<td>Field Experience in Athletic</td>
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<td>Training IV (new course)</td>
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University Core Curriculum and Science Foundation Requirements - 65

ENGLISH AND SPEECH (6)

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<td>PHYS 201</td>
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10/2/2015
4        PHYS 202  
4        BIOL 319#  
4        BIOL 320#  
# courses must be taken at Texas A&M  

1HISTORY (6)  

POLITICAL SCIENCE (6)  
3        POLS 206  
3        POLS 207  

SOCIAL AND BEHAVIORAL SCIENCE (3)  
3        PSYC 107  

1CREATIVE ARTS (3)  

1LANGUAGE, PHILOSOPHY AND CULTURE ELECTIVE (3)  

1 Refer to core.tamu.edu. All electives must satisfy University Core Curriculum. Some electives may meet the International and Cultural Diversity requirements.  

Master of Science in Athletic Training courses – 60 credits  

Required Research Core (7 hours):  

2KINE 601    Reading Research (Research Methods)    3  
KINE 690S    Theory of Kinesiology (Statistics)    3  
2KINE 681    Seminar    1  

Required Athletic Training Core (53 hours):  

2ATTR 660    Prevention and Care of Injuries    3  
2ATTR 661    Prevention and Care of Injuries Lab    1  
2ATTR 662    Clinical Examination and Diagnosis-Lower Extremity    3  
2ATTR 663    Clinical Examination and Diagnosis-Lower Extremity Lab    1  
ATTR 664    Clinical Examination and Diagnosis-Upper Extremity    3  
ATTR 665    Clinical Examination and Diagnosis-Upper Extremity Lab    1  
ATTR 666    Physical Rehabilitation    3  
ATTR 667    Physical Rehabilitation Lab    1  
2ATTR 668    Therapeutic Modalities    3  
2ATTR 669    Therapeutic Modalities Lab    1  
ATTR 670    General Medical Conditions and Therapeutic Medication    3  
ATTR 671    Organization and Administration in Athletic Training    3  
ATTR 672    Professional Preparation and Issues in Athletic Training    3  

10/2/2015
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<td>ATTR 655</td>
<td>Clinical Education V</td>
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<td>ATTR 656</td>
<td>Clinical Education VI</td>
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<td>KINE 628</td>
<td>Nutrition in Sports and Exercise</td>
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<td>KINE 629</td>
<td>Physiology of Strength and Conditioning</td>
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<td>KINE 685</td>
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²Courses will be applied to BS-KINE degree
# Draft Course Rotation Plan:

## Undergraduate Phase

### Year One

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<tr>
<td>KINE 121 Phys Mot Fit Assess</td>
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<td>KINE 213 Found of KINE</td>
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<td>KINE 199 Majors Resist Flex</td>
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<td>KINE 120 Hlth and Fitness</td>
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### Summer Session I

*May elect to take PHYS or CHEM to reduce Fall load*

### Summer Session II

*May elect to take PHYS or CHEM to reduce Fall load*

## Undergraduate Phase

### Year Two

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### Summer Session I

| BIOL 319 A&P I | 4 | |

## Undergraduate Phase

### Year Three

*Students apply to professional phase by February 1.*

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## Graduate Phase

### Year Four

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### Fall

| BIOL 652 Clin Educ II | 3 | |

### Spring

| BIOL 653 Clin Educ III | 3 | |

10/2/2015
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### Graduate Phase

#### Year Five

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<td>13</td>
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<td>10</td>
</tr>
</tbody>
</table>

**Notes:** Students will be encouraged to take any of the 4 credit science courses during the Summer Sessions, including BIOL 319/320 to diminish the heavy semester loads during Years 2 and 3.

*Newly proposed courses

Courses will be applied to BS-KINE degree
SPECIAL CONSIDERATION

Dwight Look College of Engineering
Minor in Cybersecurity
Request for a new minor
Texas A&M University
Proposed Minor Field of Study

Name of Minor Program: Cybersecurity

Department: Dwight L. T. K. College of Engineering

College: Dwight L. T. K. College of Engineering

Will grant a minor [ ] Yes [ ] No  
Academic Year: 2016

A selection from among the following courses will constitute a minor field of study.

A. The following 11 hours of course work are required.
   
   CSCE 206 (or CSCE 221)  
   TCMG 308
   
   CSCE 110 (or CSCE 121)

B. Select 6 hours from the following courses.
   See Appendix A for course listings
   
   
   
   
   
   
   
   

Please indicate further requirements such as grade point requirement, prerequisites, resident (if above the minimum 6 hours at the 300- to 400-level), capstone or methods courses.

Minimum of 17 hours required.

Minimum of 6 hours at 300- to 400-level

(1) Minimum required GPA to declare minor is a 2.5, (2) Obtain a "C" or better in each course taken towards minor, (3) Achieve overall GPA of 2.5 in approved minor coursework.

Reviewed and approved by:

[Signature] 11/9/2015
Department Head/Program Director

[Signature] 11/9/2015
AOC Dean of College
Appendix A- Cybersecurity Minor

To earn a minor in cybersecurity, a student must complete a minimum of 17 credit hours that includes the prerequisite programming and cybersecurity foundational courses (CSCE 206 (or 221), CSCE 110 (or 121), TCMG 308) as well as 2 elective courses totaling 6-8 credit hours selected from the following 4 categories:

1) Courses providing additional engineering discipline exposure and experiences to enhance student understanding of cybersecurity. Courses matching (1) include: CSCE 410, CSCE 431, CSCE 434, CSCE 463, CSCE 464, CSCE 465, ECEN 424, ESET 315, and ESET 415.

2) Courses providing background in forensic investigations and methodology of collecting and preserving forensic data. Courses matching (2) include FIVS 123 and FIVS 205.

3) Courses providing applied information technology skills including cybersecurity in workplace utilization and business analysis scenarios. Courses matching (3) include ISYS 310, ISYS 315, ISYS320, TCMG 303, TCMG 316, and TCMG 476.

4) Courses providing additional theory to hone application skills. The courses listed under this category provide and additional theoretical framework directly applicable to enhancing cybersecurity awareness, policy, and skillset. Courses matching (4) include MATH 470, MATH 471, and POLS 447.

Elective list summary (students must take 2 courses from the following list):

<table>
<thead>
<tr>
<th>CSCE 410</th>
<th>CSCE 431</th>
<th>CSCE 434</th>
<th>CSCE 463</th>
<th>CSCE 464</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCE 465</td>
<td>ECEN 424</td>
<td>ESET 315</td>
<td>ESET 415</td>
<td>FIVS 123</td>
</tr>
<tr>
<td>FIVS 205</td>
<td>ISYS 310</td>
<td>ISYS 315</td>
<td>ISYS 320</td>
<td>MATH 470</td>
</tr>
<tr>
<td>MATH 471</td>
<td>POLS 447</td>
<td>TCMG 303</td>
<td>TCMG 316</td>
<td>TCMG 476</td>
</tr>
</tbody>
</table>
DEPARTMENTAL LETTERS OF SUPPORT
MINOR IN CYBERSECURITY
MEMORANDUM

November 16, 2015

TO: Dr. Dilma DaSilva, Department Head
   Department of Computer Science and Engineering

FROM: Dr. Daniel J. Ragsdale, Director, Texas A&M Cybersecurity Center, and
      Professor of Practice

SUBJECT: New Minor in Cybersecurity

Significant data breaches are revealed in the news almost daily and, sadly, are becoming all too routine. As a result, there is now a groundswell of demand, growing daily, for a more cyber savvy workforce and, more specifically, for a corps of well-educated cybersecurity professionals. These professionals, who, in the past, came almost exclusively from the ranks of Computer Science, Computer Engineering, or Management Information Systems majors, are now being drawn from a pool of recent graduates with degrees in an increasingly diverse set of academic majors. Many of our key partners in industry are asking us to move quickly to prepare our graduates for careers in cybersecurity professions and, more broadly, to help contribute to the development of a workforce that fully appreciate the increasing threat posed by malicious cyber actors.

Fortunately, there is a significant, but underserved, level of interest among many of our students and faculty who wish to learn more about this vitally important field. These students and faculty include those who are interested in the deeply technical aspects of the field, as well as those who are interested in the human dimensions of cybersecurity. In general terms, we hope to leverage the intense interest of these students and faculty and, at the same time, address the increasing demand for cyber savvy graduates. With this purpose, the Cybersecurity minor is to substantially increase the number of graduates who possess some of the knowledge and skills necessary to address the ever-evolving threats posed by malicious actors and groups in cyberspace.

The Cybersecurity minor is designed to appeal to both less technically-oriented and more technically-oriented undergraduate students, across multiple departments, in multiple colleges. All students who enroll in the minor, including less-technically oriented students, will acquire a basic understanding of programming and a firmly grounded understanding of cyber ethics. Due to the interdisciplinary nature of cybersecurity, we are able to identify 20 undergraduate elective courses from across the University that include relevant cybersecurity content. The inclusion of these courses in the minor, as elective coursework, will allow students to specialize in the area of cybersecurity that is most closely aligned with their respective interests and their degree plans.
We request and would greatly appreciate your support from the Department of Computer Science and Engineering for this new minor, to include the specific coursework as outlined below:

- CSCE 110 - for non-majors (core requirement)
- CSCE 206 - for non-majors (core requirement)
- CSCE 121 – for majors (core requirement)
- CSCE 221 - for majors (core requirement)
- CSCE 410 (elective)
- CSCE 431 (elective)
- CSCE 434 (elective)
- CSCE 463 (elective)
- CSCE 464 (elective)
- CSCE 465 (elective)

Daniel J. Ragsdale, Ph.D.
Director, Texas A&M Cybersecurity Center and Professor of Practice
Texas Engineering Experiment Station Service (TEES) and the Department of Computer Science and Engineering
Dear Prof. Ragsdale,

As per your request, I would like to inform you that the Department of Electrical and Computer Engineering supports interdisciplinary undergraduate Cybersecurity Minor as proposed by the Department of Computer Science and Engineering. We would all, of course, like to learn more about the details, but in principle, I believe that I speak on behalf of all of my colleagues when I express support for the initiative.

Best regards,
Miroslav
November 16, 2015

MEMORANDUM

TO: Dr. Reza Langari, Department Head, Department of Engineering Technology & Industrial Distribution

FROM: Dr. Daniel J. Raysdale, Director, Texas A&M Cybersecurity Center, and Professor of Practice

SUBJECT: New Minor in Cybersecurity

Significant data breaches are revealed in the news almost daily and, sadly, are becoming all too routine. As a result, there is now a groundswell of demand, growing daily, for a more cyber savvy workforce and, more specifically, for a corps of well-educated cybersecurity professionals. These professionals, who, in the past, came almost exclusively from the ranks of Computer Science, Computer Engineering, or Management Information Systems majors, are now being drawn from a pool of recent graduates with degrees in an increasingly diverse set of academic majors. Many of our key partners in industry are asking us to move quickly to prepare our graduates for careers in cybersecurity professions and, more broadly, to help contribute to the development of a workforce that fully appreciate the increasing threat posed by malicious cyber actors.

Fortunately, there is a significant, but underserved, level of interest among many of our students and faculty who wish to learn more about this vitally important field. These students and faculty include those who are interested in the deeply technical aspects of the field, as well as those who are interested in the human dimensions of cybersecurity. In general terms, we hope to leverage the intense interest of these students and faculty and, at the same time, address the increasing demand for cyber savvy graduates. Withal, the purpose of the Cybersecurity minor is to substantially increase the number of graduates who possess some of the knowledge and skills necessary to address the ever-evolving threats posed by malicious actors and groups in cyberspace.

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We request and would greatly appreciate your support from the Department of Information & Operations Management for this new minor, to include the specific coursework as outlined below:
• ESET 315
• ESET 415

Daniel J. Ragsdale, Ph.D.
Director, Texas A&M Cyberscurety Center and Professor of Practice
Texas Engineering Experiment Station Service (TEES) and the Department of Computer Science
and Engineering
5 November 2015

MEMORANDUM

To: Dr. Daniel J. Ragsdale, Director, Texas A&M Cybersecurity Center, and Professor of Practice

From: Dr. David Ragsdale, Head, Entomology

Subject: New Minor in Cybersecurity

We have reviewed your proposal for a new academic minor in Cybersecurity and approve your request to include FIVS 123 Forensic Investigations and FIVS 205 Introduction to Forensic & Investigative Sciences as elective courses for students seeking this minor.

Thank you for considering the role forensic science plays in cybersecurity, and we look forward to having students with this interest in our courses.

Cc: Dr. Adrienne Brundage, Instructor, FIVS 205
    Dr. Kevin Heinz, Instructor, FIVS 123 and Director, Forensic & Investigative Sciences Program
    Dr. Jeffery Tomberlin, Associate Director, Forensic & Investigative Sciences Program
    Dr. Pete D. Teel, Associate Department Head for Academic Programs
MEMORANDUM

TO: David Ragsdale
    Director, Texas A&M Cybersecurity Center

FROM: Rich Metters
      INFO Department Head, Mays Business School
      4217 TAMU

DATE: November 11, 2015

SUBJECT: Support for the cybersecurity minor

The INFO Department supports the move by the Cybersecurity Center to have an interdisciplinary undergraduate minor.

[Signature]

Rich Metters
Hi Tim:
I have no objections, and we will be happy to meet with them. If anything, we'd love to offer more of our courses for their program.

Traveling also; greetings from Vienna,

Emil

On 11/09/2015 10:04 AM, Scott, Timothy P wrote:

Emil,

I spoke with Trez this weekend. They are anxious to get approval as the deadline for this year's catalog is November 20. The two courses below are for electives only in the minor. Do you have an objection to them being listed?

MATH 470: Communications and Cryptography and

MATH 471: Communications and Cryptography II

Timothy P. Scott, Ph.D. | Associate Dean for Undergraduate Programs & Development
Associate Professor of Biology & Science Education Policy
College of Science | Texas A&M University
3257 TAMU | College Station, TX 77843-3257
514 Blocker Building
ph: 979.845.7362 | tim@science.tamu.edu | fa. 979.845.6077

---

Be curious.

This message contains information which may be confidential and privileged. Unless you are the addressee (or authorized to receive for the addressee), you may not use, copy or disclose to anyone the message or any information contained in the message. If you have received the message in error, please advise the sender by reply email and delete the message.
On Thu, Oct 29, 2015 at 5:49 PM, Scott, Timothy P <tim@science.tamu.edu> wrote:

Trez,

I have emailed Paulo Lima-Filho, who is the Associate Head of Mathematics. He is currently traveling for the University. He should be getting back to you. This minor sounds very interesting! Thanks for thinking of us.

I im

From: Trez Jones [mailto:rtjones@tamu.edu]
Sent: Thursday, October 29, 2015 4:37 PM
To: t-scott@tamu.edu
Subject: Math contact requested: Interdisciplinary Cybersecurity Minor being developed

Howdy sir,

I am working with the Department of Computer Science and Engineering on creating a truly interdisciplinary cybersecurity minor from 5 colleges/schools and 8 different academic departments across our campus.

One of those departments is... math! There are two courses math offers that we would like to include as electives within the new minor-

MATH 470: Communications and Cryptography and
MATH 471: Communications and Cryptography II

Do you know of a good contact within the math department to help get a dialogue started with them about potentially gaining a letter of support from the program?

Many thanks sir.

Respectfully,

Trez

---
Robert T. "Trez" Jones, Ph.D.
University Professor of Practice, Center for Teaching Excellence
Director of Research Technology - Project ELLA-V
Caucus Leader for the Faculty Senate - College of Education and Human Development
Department of Educational Administration and Human Resource Development
Harrington Tower 560
Texas A&M University
College Station, TX 77843-4226
+1 979/845-2551

rtjones@tamu.edu
AFFIDAVIT

BE IT KNOWN, that on this the 16 November 2015

BEFORE ME, a duly sworn and competent authority in and for the State of Texas, NOTARY PUBLIC, and the undersigned affiant and competent witnesses appearing herein below, DID PERSONALLY APPEAR: ROBERT T. JONES, a person of the fully age of Majority, residing and domiciled in the State of Texas, County of Brazos.

WHO AFTER BEING DULY SWORN BY ME, did depose and state:

1. On Monday, November 2, 2015, I physically entered the Department of Political Science main office in the Allen building in order to determine whom to contact regarding the inclusion of POLS 447 in the Cybersecurity minor field of study that the Department of Computer Science and Engineering and the Department of Educational Administration and Human Resource Development are attempting to form.
2. I spoke with the front desk office assistant who started to let me know about the process of whom to contact.
3. The office assistant recommended Dr. Thornton, who, unfortunately was out on jury duty that day.
4. While I was discussing, the department head, Dr. William Clark, overheard and came by.
5. He offered to take care of the problem right there and agreed to allow us to include the course in the listing as an elective in the minor.
6. When I asked for a memo, he just asked if I could email, which I did within an hour and a half on Monday, November 2nd, 2015.
7. I requested a follow up on Friday, November 6th, 2015.
8. To date, I have not gotten back an emailed response to that request.
9. I believe that the intent of the department through the verbal agreed acknowledgement of the department head is sufficient to constitute inclusion of their course as an elective in the proposed minor.
10. Having reached the deadline date for filing with the Dwight Look College of Engineering, I am providing this document as recourse in order to afford the course being included as an elective in the minor field of study.

THIS DONE AND PASSED, before me, Notary Public, and the undersigned affiant and competent witnesses, after due reading of the whole, on the date and in the place aforesaid.

AFFIANT:

[Signature]

Robert T. Jones

STATE OF TEXAS

COUNTY OF BRAZOS

Subscribed and sworn to before me by Robert T. Jones

this the 16th day November 2015.

[Signature]

NOTARY PUBLIC

STATE OF TEXAS
Good morning,

I am writing to convey the enthusiastic support of the faculty and administration in the Department of Educational Administration and Human Resources for the proposed minor field of study in Cyber-security Studies. We look forwarding to partnering with faculty across the University as this minor becomes available to undergraduate students in Technology Management program and those in multiple majors in the departments and colleges you represent.

We understand that there are already more than 20 undergraduate courses from across the University system that include relevant cyber-security content. The inclusion of these courses in the minor, as elective coursework, will allow students to specialize in the area of cyber-security that is most closely aligned with their respective interests and their degree plans. Among those courses which may be included is TCMG 308, offered by the EAHR department.

Sincerely,
Karen Smith

Karen S. Smith, Ed. D.
Clinical Associate Professor and Undergraduate Program Coordinator
Educational Administration and Human Resource Development
College of Education and Human Development, Texas A & M University
Office Phone: 979-862-2932  Office Location: Harrington 532
SPECIAL CONSIDERATION

Dwight Look College of Engineering
Minor in Engineering Project Management
Request for a New Minor
Texas A&M University
Proposed Minor Field of Study

Name of Minor Program: Engineering Project Management

Department: Dwight Look College of Engineering

College: Dwight Look College of Engineering

Will grant a minor ☑ Yes ☐ No

Academic Year: 2016-2017

A selection from among the following courses will constitute a minor field of study.

A. The following 4 hours of course work are required.
   ENGR 333 - Project Management for Engineers
   ENGR 380 - Seminar Series in Engineering Project Management

B. Select 12 hours from the following courses.
   See Appendix A for course listings

Please indicate further requirements such as grade point requirement, prerequisites, resident (if above the minimum 6 hours at the 300- to 400-level), capstone or methods courses.

Minimum of 16 hours required.

Minimum of 6 hours at 300- to 400-level

(1) Minimum required GPA to declare minor is 2.5, (2) Obtain a "C" or better in each course taken towards minor, (3) Achieve an overall GPA of 2.5 in approved minor coursework, and

(3) ENGR 333 must be taken junior year.

Reviewed and approved by:

Department Head/Program Director
Date

AOC Dean of College
Date
Appendix A – Engineering Project Management Minor

To earn a minor in Engineering Project Management, a student must complete a total of 16 credit hours that includes the prerequisite introductory project management courses (ENGR 333 – Engineering Project Management (3 hours) and ENGR 380 – Seminar Series in Engineering Project Management (1 hour)) as well as 12 credit hours in courses selected from the following 4 categories:

1. Courses providing background in business management and leadership. The courses listed under this category provide required skills to understand the key management principles and provide leadership in project planning and execution;
2. Courses providing background in project economics, analysis, and decisions. The courses listed under this category provide advanced understanding of the analytical tools required to support project planning and execution.
3. Courses providing the application of project management tools within the major. The courses listed under this category provide examples of the application project management principles within the students’ area of study.
4. Courses providing project experiences as directed studies. The courses listed under this category provide practical experience in managing projects via internships, campus or community-based engagements, or research. Students should be able to received credits via ENGR485 for documenting their project experience.

Table A1 shows the course requirements for each of the listed categories. However, this list is to be re-evaluated periodically to include newly developed courses relevant to engineering project management.
<table>
<thead>
<tr>
<th>Courses introducing core project management principles (must take 4 credit hours)</th>
<th>Courses providing background in business management and leadership (must take minimum 2 credit hours; maximum of 4 credit hours will count towards the minor)</th>
<th>Courses providing background in project economics, analysis, and decisions (must take minimum 2 credit hours; maximum 6 credit hours will count towards the minor)</th>
<th>Course providing the application of project management tools within the major (must take minimum 3 credit hours; maximum of 6 credit hours will count towards the minor)</th>
<th>Course providing project experiences as directed studies (maximum of 3 credit hours will count toward the minor)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR333 Project Management for Engineers (3)</td>
<td>MGMT309 Survey of Management (3)</td>
<td>ISEN302/303 Economic Analysis of Engineering Projects/Engineering Economic Analysis (2/3)</td>
<td>ISEN411 Engineering Management Techniques (3)</td>
<td>ENGR485 Directed Studies (Internship project, Campus Project, or Community project, e.g. The Big Event)</td>
</tr>
<tr>
<td>ENGR380 Seminar in Project Management (1)</td>
<td>SOMS380 Workshop in Leadership Education (1)</td>
<td>CVEN322 Civil Engineering Systems (3)</td>
<td>CVEN405 Construction Management of Field Operations (3)</td>
<td>ENGR491 Research (Research project e.g. Aggie-E-Challenge)</td>
</tr>
<tr>
<td>SOMS381 Workshop in Leadership Education II (1)</td>
<td>PETE353 Petroleum Project Evaluation (3)</td>
<td>CVEN473 Engineering Project Estimating and Planning (3)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOMS481 Seminar in Executive Leadership (1)</td>
<td>CHEN/SENG430 Risk Analysis in Safety Engineering (3)</td>
<td>CVEN349 Civil Engineering Project Management (3)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOMS482 Seminar in Executive Leadership II (1)</td>
<td></td>
<td>ISEN430 Human Factors and Ergonomics (3)</td>
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<tr>
<td>ESET 151 Engineering Leadership (3)</td>
<td>CSCE431 Software Engineering (3)</td>
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<tr>
<td>ENGR 289 Introduction to Engineering Leadership (2-2)</td>
<td>CSCE315 Programming Studio (3)</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>ENGR 489A Leadership and Business Fundamentals (2-2)</td>
<td>SENG312 Systems Safety Engineering (3)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGR 489B Role of Engineering and Business in Society (2-2)</td>
<td>CHEN/SENG460 Quantitative Risk Analysis in Safety Engineering (3)</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>ENGR 489A Exploring Your Leadership Qualities and Perspective (2-2)</td>
<td>ESET 329 Six Sigma and Applied Statistics (4)</td>
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<td></td>
</tr>
<tr>
<td>ENGR 489B Leadership Capstone (2-2)</td>
<td>ESET 419 Engineering Technology Capstone I (3)</td>
<td></td>
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</tr>
<tr>
<td>BMEN469 Entrepreneurship in BMEN (3)</td>
<td>MEEN489 Entrepreneurship related to Nanomaterials Application in Energy (3)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: Highlighted in red are the courses that are not on the Catalog.

Table A2 presents an example of course the students from different department can take to satisfy the Engineering Project Management minor degree requirements.
<table>
<thead>
<tr>
<th>Example</th>
<th>Courses introducing core project management principles (must take 4 credit hours)</th>
<th>Courses providing background in business management and leadership (must take minimum 2 credit hours; maximum of 4 credit hours will count towards the minor)</th>
<th>Courses providing background in project economics, analysis, and decisions (must take minimum 2 credit hours; maximum 6 credit hours will count towards the minor)</th>
<th>Course providing the application of project management tools within the major (must take minimum 3 credit hours; maximum of 6 credit hours will count towards the minor)</th>
<th>Course providing project experiences as directed studies (maximum of 3 credit hours will count towards the minor)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEEN student</td>
<td>ENGR333 and ENGR380 4 credit hours</td>
<td>MGMT309 3 credit hours</td>
<td>ISEN302 and CHEN/SENG430 5 credit hours</td>
<td>MEEN489 3 credit hour</td>
<td>ENGR485 1 credit hour</td>
</tr>
<tr>
<td>ISEN student</td>
<td>ENGR333 and ENGR380 4 credit hours</td>
<td>MGMT309 3 credit hours</td>
<td>ISEN303 3 credit hours</td>
<td>ISEN411 and ISEN430 6 credit hours</td>
<td></td>
</tr>
<tr>
<td>CVEN student</td>
<td>ENGR333 and ENGR380 4 credit hours</td>
<td>SOMS380 and SOMS381 2 credit hours</td>
<td>CVEN322 3 credit hours</td>
<td>CVEN405 and CVEN473 6 credit hours</td>
<td>ENGR485 1 credit hour</td>
</tr>
<tr>
<td>CSCE student</td>
<td>ENGR333 and ENGR380 4 credit hours</td>
<td>ENTC151 3 credit hours</td>
<td>ISEN302 2 credit hours</td>
<td>CSCE431 and CSCE315 6 credit hours</td>
<td>ENGR485 1 credit hour</td>
</tr>
</tbody>
</table>
September 10, 2015

MEMORANDUM

TO: Dr. Anthony Guiseppi-Elie
Department of Biomedical Engineering

THROUGH: Dr. Valerie Taylor, Senior Associate Dean for Academic Affairs
Dwight Look College of Engineering

FROM: Dr. Ivan Damnjanovic, Associate Professor and Coordinator
Engineering Project Management

SUBJECT: New Minor in Engineering Project Management

The Engineering Project Management minor is intended to help meet the requirements of industry by educating undergraduate engineering students to understand complex engineering projects, project organizations and project management methods. Students completing this minor will be able to work effectively in multidisciplinary engineering projects immediately after completion and to advance more rapidly within the project management organization and profession. The management of projects entails technical knowledge, engineering skills and management skills.

The Dwight Look College of Engineering requests support from the Department of Biomedical Engineering to include the following course in the selection of minor coursework as outlined in the attached document:

- BMEN 469 – Entrepreneurial Issues in Biomedical Engineering

Thank you for your willingness to support this new minor in the Dwight Look College of Engineering.
September 10, 2015

MEMORANDUM

TO: Dr. M. Nazmul Karim
    Artie McFerrin Department of Chemical Engineering

THROUGH: Dr. Valerie Taylor, Senior Associate Dean for Academic Affairs
         Dwight Look College of Engineering

FROM: Dr. Ivan Damnjanovic, Associate Professor and Coordinator
      Engineering Project Management

SUBJECT: New Minor in Engineering Project Management

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The Dwight Look College of Engineering requests support from the Artie McFerrin Department of Chemical Engineering to include the following course in the selection of minor coursework as outlined in the attached document:

- CHEN/SENG 430 – Risk Analysis in Safety Engineering
- CHEN/SENG 460 – Quantitative Risk Analysis
- SENG 312 – Systems Safety Engineering

Thank you for your willingness to support this new minor in the Dwight Look College of Engineering.
MEMORANDUM

TO: Dr. Robin Autenrieth, Head
   Zachry Department of Civil Engineering

THROUGH: Dr. Valerie Taylor, Senior Associate Dean for Academic Affairs
         Dwight Look College of Engineering

FROM: Dr. Ivan Damnjanovic, Associate Professor and Coordinator
      Engineering Project Management

SUBJECT: New Minor in Engineering Project Management

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industry by educating undergraduate engineering students to understand complex engineering
projects, project organizations and project management methods. Students completing this minor
will be able to work effectively in multidisciplinary engineering projects immediately after
completion and to advance more rapidly within the project management organization and
profession. The management of projects entails technical knowledge, engineering skills and
management skills.

The Dwight Look College of Engineering requests support from the Zachry Department of Civil
Engineering to include the following courses in the selection of minor coursework as outlined in
the attached document:

- CVEN 322 – Civil Engineering Systems
- CVEN 349 – Civil Engineering Project Management
- CVEN 405 – Construction Management of Field Operations
- CVEN 473 – Engineering Project Estimation and Planning

Thank you for your willingness to support this new minor in the Dwight Look College of
Engineering.
MEMORANDUM

TO: Dr. Dilma Da Silva, Head
Department of Computer Science and Engineering

THROUGH: Dr. Valerie Taylor, Senior Associate Dean for Academic Affairs
Dwight Look College of Engineering

FROM: Dr. Ivan Damnjanovic, Associate Professor and Coordinator
Engineering Project Management

SUBJECT: New Minor in Engineering Project Management

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The Dwight Look College of Engineering requests support from the Department of Computer Science and Engineering to include the following courses in the selection of minor coursework as outlined in the attached document:

- CSCE 431 – Software Engineering
- CSCE 315 – Programming Studio (3)

Thank you for your willingness to support this new minor in the Dwight Look College of Engineering.
September 10, 2015

MEMORANDUM

TO: Dr. Reza Langari, Head
Department of Engineering Technology and Industrial Distribution

THROUGH: Dr. Valerie Taylor, Senior Associate Dean for Academic Affairs
Dwight Look College of Engineering

FROM: Dr. Ivan Damnjanovic, Associate Professor and Coordinator
Engineering Project Management

SUBJECT: New Minor in Engineering Project Management

The Engineering Project Management minor is intended to help meet the requirements of industry by educating undergraduate engineering students to understand complex engineering projects, project organizations and project management methods. Students completing this minor will be able to work effectively in multidisciplinary engineering projects immediately after completion and to advance more rapidly within the project management organization and profession. The management of projects entails technical knowledge, engineering skills and management skills.

The Dwight Look College of Engineering requests support from the Department of Engineering Technology and Industrial Distribution to include the following courses in the selection of minor coursework as outlined in the attached document:

- ESET 151 – Engineering Leadership
- ESET 329 – Six Sigma and Applied Statistics
- ESET 419 – Engineering Technology Capstone I

Thank you for your willingness to support this new minor in the Dwight Look College of Engineering.
MEMORANDUM

TO: Dr. Cesar Malave, Head
Department of Industrial and Systems Engineering

THROUGH: Dr. Valerie Taylor, Senior Associate Dean for Academic Affairs
Dwight Look College of Engineering

FROM: Dr. Ivan Damnjanovic, Associate Professor and Coordinator
Engineering Project Management

SUBJECT: New Minor in Engineering Project Management

The Engineering Project Management minor is intended to help meet the requirements of industry by educating undergraduate engineering students to understand complex engineering projects, project organizations and project management methods. Students completing this minor will be able to work effectively in multidisciplinary engineering projects immediately after completion and to advance more rapidly within the project management organization and profession. The management of projects entails technical knowledge, engineering skills and management skills.

The Dwight Look College of Engineering requests support from the Department of Industrial and Systems Engineering to include the following courses in the selection of minor coursework as outlined in the attached document:

- ISEN 302 – Economic Analysis of Engineering Projects
- ISEN 303 – Engineering Economic Analysis
- ISEN 411 – Engineering Management Techniques
- ISEN 430 – Human Factors and Ergonomics

Thank you for your willingness to support this new minor in the Dwight Look College of Engineering.
MEMORANDUM

TO: Dr. Wendy R. Boswell, Head Department of Management, Mays Business School

THROUGH: Dr. Valerie Taylor, Senior Associate Dean for Academic Affairs Dwight Look College of Engineering

FROM: Dr. Ivan Damnjanovic, Associate Professor and Coordinator Engineering Project Management

SUBJECT: New Minor in Engineering Project Management

The Engineering Project Management minor is intended to help meet the requirements of industry by educating undergraduate engineering students to understand complex engineering projects, project organizations and project management methods. Students completing this minor will be able to work effectively in multidisciplinary engineering projects immediately after completion and to advance more rapidly within the project management organization and profession. The management of projects entails technical knowledge, engineering skills and management skills.

The Dwight Look College of Engineering requests support from the Department of Management in the Mays Business School to include the following course in the selection of minor coursework as outlined in the attached document:

- MGMT 309 – Survey of Management

Thank you for your willingness to support this new minor in the Dwight Look College of Engineering.
MEMORANDUM

TO:       Dr. A. Daniel Hill
          Harold Vance Department of Petroleum Engineering

THROUGH:  Dr. Valerie Taylor, Senior Associate Dean for Academic Affairs
          Dwight Look College of Engineering

FROM:     Dr. Ivan Damnjanovic, Associate Professor and Coordinator
          Engineering Project Management

SUBJECT:  New Minor in Engineering Project Management

The Engineering Project Management minor is intended to help meet the requirements of industry by educating undergraduate engineering students to understand complex engineering projects, project organizations and project management methods. Students completing this minor will be able to work effectively in multidisciplinary engineering projects immediately after completion and to advance more rapidly within the project management organization and profession. The management of projects entails technical knowledge, engineering skills and management skills.

The Dwight Look College of Engineering requests support from the Harold Vance Department of Petroleum Engineering to include the following course in the selection of minor coursework as outlined in the attached document:

- PETE 353 – Petroleum Project Evaluation

Thank you for your willingness to support this new minor in the Dwight Look College of Engineering.
September 10, 2015

MEMORANDUM

TO: Dr. Richard Cummins, Director  
Hollingsworth Leadership Program  
Texas A&M University Corps of Cadets, School of Military Science  

THROUGH: Dr. Valerie Taylor, Senior Associate Dean for Academic Affairs  
Dwight Look College of Engineering  

FROM: Dr. Ivan Damnjanovic, Associate Professor and Coordinator  
Engineering Project Management  

SUBJECT: New Minor in Engineering Project Management

The Engineering Project Management minor is intended to help meet the requirements of industry by educating undergraduate engineering students to understand complex engineering projects, project organizations and project management methods. Students completing this minor will be able to work effectively in multidisciplinary engineering projects immediately after completion and to advance more rapidly within the project management organization and profession. The management of projects entails technical knowledge, engineering skills and management skills.

The Dwight Look College of Engineering requests support from the School of Military Science to include the following courses in the selection of minor coursework as outlined in the attached document:

- SOMS 380 – Workshop in Leadership Education
- SOMS 381 – Workshop in Leadership Education II
- SOMS 481 – Seminar in Executive Leadership
- SOMS 482 – Seminar in Executive Leadership II

Thank you for your willingness to support this new minor in the Dwight Look College of Engineering.
SPECIAL CONSIDERATION
Dwight Look College of Engineering
Department of Computer Science and Engineering
Minor in Game Design and Development
Request for a New Minor
Texas A&M University
Proposed Minor Field of Study

Name of Minor Program: Game Design & Development

Department: Computer Science and Engineering

College: Engineering

Will grant a minor □ Yes □ No Academic Year: 2016-17

A selection from among the following courses will constitute a minor field of study.

A. The following 10 hours of course work are required.
   - CSCE 110/111 (CSCE 121 for CSCE majors)
   - CSCE 441 or VIST 486
   - CSCE 443/VIST 487 (CSCE 443 crosslisted as VIST 487)

B. Select 6 hours from the following courses.
   - COMM 230
   - VIST 374
   - COMM 453
   - VIST 370
   - CSCE 436

Please indicate further requirements such as grade point requirement, prerequisites, resident (if above the minimum 6 hours at the 300- to 400-level), capstone or methods courses.

Minimum of 16 hours required.

Minimum of 6 hours at 300- to 400-level

Minimum GPA of 3.2 for admittance into the minor

A grade of C or better in all courses taken in the minor

Reviewed and approved by:

Department Head/Program Director Date

AOC Dean of College Date
Texas A&M University
Proposed Minor Field of Study

Name of Minor Program: Game Design & Development

Department: Computer Science and Engineering

College: Engineering

Will grant a minor [✓] Yes [ ] No Academic Year: 2016-17

A selection from among the following courses will constitute a minor field of study.

A. The following ___ 9 ___ hours of course work are required.

   CSCE 110/111 (CSCE 121 for CSCE majors)
   CSCE 441 or VIST 486
   CSCE 443/VIST 487 (CSCE 443 crosslisted as VIST 487)

B. Select ___ 9 ___ hours from the following courses.

   COMM 230
   VIST 374
   COMM 453
   VIST 370
   CSCE 436

Please indicate further requirements such as grade point requirement, prerequisites, resident (if above the minimum 6 hours at the 300- to 400-level), capstone or methods courses.

Minimum of ___ 13 ___ hours required.

Minimum of 6 hours at 300- to 400-level

Minimum GPA of 3.2 for admittance into the minor

A grade of C or better in all courses taken in the minor

Reviewed and approved by:

[Signatures and dates]
Minor in Game Design & Development

The interdisciplinary Minor in Game Design and Development provides a broad orientation to the artistic, technical, theory and social aspects of video games. Completion of the Minor requires that students pursue the variety of skills and knowledge required to create engaging and meaningful games. The curriculum includes art, design, programming, media literacy, and video game production.

Students would be required to take 10 hours from:

1) 4 hours: CSCE 110 (4 hr) or CSCE 111 (4 hr)
   (CSCE 121 for CSCE majors)
2) 6 hours: CSCE 441, then 443/VIST 487
   or
   VIST 486, then VIST 487/CSCE 443

Students choose 6 hr from:

1) COMM 230 - (Communication technology skills)
2) VIST 374 - (Multimedia Design)
3) COMM 453 – (Communication and Video games)
4) VIST 370 – (Interactive Virtual Environments)
5) CSCE 436 – (upper level classification if VIST)

Hours for the minor: 16
Minimum GPA of 3.2 for admittance into the minor, and a grade of “C” or better in all courses taken in the minor.
MEMORANDUM:

TO: University Curriculum Committee

FROM: Dilma Da Silva
Department Head, Computer Science and Engineering

FROM: Tim McLaughlin
Department Head, Visualization

DATE: November 17, 2015

SUBJECT: Minor in Game Design and Development

We are submitting a request for a Minor in Game Design and Development. This interdisciplinary minor is supported by both the Department of Visualization and the Department of Computer Science and Engineering.

We expect the administration of the minor to be handled through the Department of Visualization.
SPECIAL CONSIDERATION
DWIGHT LOOK COLLEGE OF ENGINEERING
DEPARTMENT OF ENGINEERING TECHNOLOGY AND INDUSTRIAL DISTRIBUTION
BS IN MULTIDISCIPLINARY ENGINEERING TECHNOLOGY
REQUEST FOR A NEW DEGREE PROGRAM
Texas A&M University
New Certificate, Bachelors, Masters, or Doctoral Program
Undergraduate • Graduate • Professional
• Proposal Checklist •

Program request type: ☒ Undergraduate ☐ Graduate ☐ First Professional (e.g., DVM, JD, MD, etc.)

Requested by the Department or Unit of: Engineering Technology and Industrial Distribution, Look COE

Program Type, Level, Designation, Title, Description, Hours
Program Type: ☐ Certificate Program ☒ Degree Program
Program Level: ☒ UG Certificate ☐ Grad Certificate ☐ Bachelor ☐ Master ☐ Doctoral ☐ Professional
Degree Designation (i.e., BS, BA, MA, MS, MAg, MEd, PhD, EdD, etc.) BS
Title of proposed program: Multidisciplinary Engineering Technology

Proposed CIP Code (if known): "15000.00"

Brief program description (provide a catalog description for undergraduate and graduate certificates):
The Multidisciplinary Engineering Technology Program within the Dwight Look College of Engineering combines elements of Electronic Systems, Computer Systems, Mechanical Systems, Communication Systems and Control Systems within product design and manufacturing to provide graduates with exceptional careers in Aerospace, Automotive, Medical, Oil and Gas, Communications and other growing technological fields.

Minimum program semester credit hours (SCH) Certificates - 12 hours* Bachelors - 120 hours Masters - 30 hours

Proposed program hours: 127

*12 hours minimum to appear on transcript

Certificate Programs ☐ Embedded Students take coursework that will result in a degree and certificate being earned at the same time. ☐ Standalone Non-degree seeking students take coursework to earn a certificate only (no degrees are awarded).

Off-Campus or Distance Delivery
% of Program a student can take off-campus or through Distance Education Program Start Date SACSOC Approval** When Provost needs to inform SACSOC
☐ 25% — Notification Only 6 months before first day of program
☐ 50% — Approval Required 6 months before first day of program
☐ 80% — Approval Required 6 months before first day of program
☐ 100% — Approval Required 6 months before first day of program

**Notification letter arranged through the Vice Provost for Academic Affairs and sent by TAMU President.

Program Delivery Mode
 ☒ On-campus Location Fermier and Thompson Hall
 ☐ Broadcast / TTVN —
 ☐ Specific off-campus location** —
 ☐ Distance Education / Internet ☐ In-State ☐ Out-of-State Start Date —
 ☐ Out-of-Country —

Will this program be offered with another institution? ☐ Yes ☒ No
If yes, contact the Vice Provost for Academic Affairs for additional reporting requirements.

***Is this an approved SACSOC location? ☒ Yes ☐ No If no, a program prospectus must be sent to SACSOC.
Approved locations as of March 2012: TAMU-Galveston, TAMU-Qatar, University Center-The Woodlands, City Centre-Houston, Doha, and Saudi Arabia.

Program Funding
Has program funding been finalized at the department or college level? ☒ Yes ☐ No
If no, explain or attach budget:

Will new costs for the first five years of the program be under $2 million? ☒ Yes ☐ No
If new costs exceed $2 million, coordinating board approval is required.

Page 1 Revised 04.11.2014
Submitted by (Contact Person):

Jay Porter

Name
Professor and Associate Department Head, Undergraduates
Studies
Title

Email
jporter@tamu.edu

Phone
979-845-5966

Certification Statement

By signing below, the Dean of the College certifies the proposed program complies with coordinating board standards. If the program is delivered through Distance Education, the Dean of the College certifies that they are following the Principles of Good Practice for Academic Degree and Certificate Programs and Credit Courses Offered Electronically.

Use additional signature lines if program is between three or more departments or colleges.

Signature, Department Head or Interdisciplinary Program Chair
Reza Langari

Typed or Printed Name
JAY PORTER

Chair, College Review Committee

Date

Dean of College

Date

Chair, University Curriculum Committee or Graduate Council

Date

Additional Approvals Required: Faculty Senate and President.
Submitted by: Michael K. Young, President/CEO
Texas A&M University

Subject: Approval of a New Bachelor of Science Degree Program with a Major in Field of Study in Multidisciplinary Engineering Technology and Authorization to Request Approval from the Texas Higher Education Coordinating Board

Proposed Board Action:

Approve the establishment of a new degree program at Texas A&M University leading to a Bachelor of Science in Multidisciplinary Engineering Technology (MXET), authorize the submission of this degree program to the Texas Higher Education Coordinating Board (THECB) for approval and certify that all applicable THECB criteria have been met.

Background Information:

Industry demand and student interest in Multidisciplinary Engineering Technology (MXET) program across Texas and the nation are growing. A program that combines basic educational elements of mechanical, electronics, computer and control systems while providing an opportunity for the student to focus in an area of specialization has the ability to meet this demand and interest. Graduates from a four-year BSET degree program will be ready to meet the entry-level needs of the automotive, aerospace, oil & gas, medical, communications, and other high-technology, fast growing industries. In addition, the MXET program will provide an excellent opportunity for graduates from the ten Associate degree programs in Texas that have a multidisciplinary focus.

The MXET program will be offered at Texas A&M University within the Department of Engineering Technology and Industrial Distribution (ETID). The first focus area which will be offered in the Fall 2016 semester will have a mechatronics focus. Based on industry support and student interest, other focus areas are available for future specializations including entrepreneurial new product development, energy/building management, manufacturing automation, and instrumentation. Approximately 90 percent of this new degree program will be taken from coursework and associated laboratories currently offered by the ETID Department (ESET and MMET programs). Only four courses will need to be created or modified (all within ETID) to complete the 127 SCHs required for the new curriculum. As defined, the curriculum’s Educational Objectives, Student Outcomes, and Features have been established to meet the General Engineering Technology program criteria of the Engineering Technology Accreditation Commission of the Accreditation Board for Engineering and Technology (ETAC/ABET). The MXET program will pursue accreditation in the first fall semester after students have graduated from the program.

A&M System Funding or Other Financial Implications:

The five-year costs associated with the MXET start-up are estimated to be $1,957,000. This estimate includes $1,675,000 for personnel including a program coordinator, one additional faculty member to develop and deliver the focus-area coursework, graduate assistants and clerical staff. Facilities and equipment to support the new laboratory should be $250,000 and supplies and materials are estimated to $15,000. Other costs which include accreditation and travel costs are estimated to be $17,000.

The funding to support this new program will come from reallocated funds.
Members, Board of Regents
The Texas A&M University System

Subject: Approval of a New Bachelor of Science Degree Program with a Major in Field of Study in Multidisciplinary Engineering Technology and Authorization to Request Approval from the Texas Higher Education Coordinating Board

I recommend adoption of the following minute order:

"The Board of Regents of The Texas A&M University System approves the establishment of a new degree program at Texas A&M University leading to a Bachelor of Science Degree Program with a Major in Field of Study in Multidisciplinary Engineering Technology.

The Board also authorizes submission of Texas A&M University’s new degree program request to the Texas Higher Education Coordinating Board for approval and hereby certifies that all applicable criteria of the Coordinating Board have been met."

Respectfully submitted,

__________________________________
Michael K. Young
President

Approval Recommended:

John Sharp
Chancellor

Approved for Legal Sufficiency:

Ray Bonilla
General Counsel

Billy Hamilton
Executive Vice Chancellor and Chief Financial Officer

James R. Hallmark, Ph.D.
Vice Chancellor for Academic Affairs
Texas A&M University

Bachelors of Science
with a major in Multidisciplinary Engineering Technology
(CIP: 15.0000.00)

Program Review Outline

BACKGROUND & PROGRAM DESCRIPTION

Administrative Unit: Dwight Look College of Engineering, Department of Engineering Technology and Industrial Distribution

The Bachelor of Science program in Multidisciplinary Engineering Technology (MXET) will combine elements of electronic, mechanical, computer, control and communications technologies to the design and development of new products and systems. The BS degree program will prepare graduates for challenging and rewarding careers in aerospace, automotive, medical, oil & gas, communications and other high-tech industries within Texas and across the nation.

The educational objectives of the BS MXET degree program are to produce graduates who are prepared to accomplish all of the objectives listed below and who will, within two to five years after graduation, indeed accomplish at least two of the following objective:

- Possess and demonstrate technical knowledge of the design, manufacture, sales, and service of complex systems that span multiple engineering technology disciplines.
- Demonstrate increasing level of leadership and responsibility.
- Exhibit productivity in a dynamic work environment through a commitment to lifelong learning.
- Exhibit a commitment to professional ethics in their professional career.

The BS degree in Multidisciplinary Engineering Technology requires the undergraduate student to complete a 127 semester credit hour course of study that satisfies the University Core Curriculum, Math and Science courses, required technical courses and prescribed electives. The MXET curriculum exceeds the 120 Semester Credit Hours (SCH) per Board rule 5.44 (a) (3). The 127 SCH requirement is needed to satisfy ETAC/ABET requirements for depth and breadth in the engineering technology discipline, math, and science and to satisfy core curriculum requirements.

The proposed implementation date: Fall 2016

Texas A&M University certifies that the proposed new degree program meets the criteria under the 19 Texas Administrative Code, Section 5.45 in regards to need, quality, financial and faculty resources, standards and costs. New costs during the first five years will not exceed $2 million.

I. NEED

A. Employment Opportunities
The Occupational Outlook Handbook of US Bureau of Labor Statistics does not have a separate category for Multidisciplinary Engineering Technology. However, considering that a proposed program includes fundamental courses in mechanical engineering technology and electronic systems engineering technology which includes embedded electronic hardware and control software, it is reasonable to say that graduates from a multidisciplinary engineering technology program can be hired to work in many of the fields depicted in this diagram, especially where the specialties intersect and require capabilities in multiple disciplines.

Table 1 shows the growth outlook in USA from 2012-2022, for jobs in mechanical engineering, electrical engineering and electronics engineering, and software development.

<table>
<thead>
<tr>
<th>Occupation</th>
<th>Growth rate</th>
<th>Annual Pay</th>
<th># of Jobs in 2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mechanical Engineers (BS)</td>
<td>5%</td>
<td>$80,580</td>
<td>269,700</td>
</tr>
<tr>
<td>Electrical &amp; Electronics Engineers (BS)</td>
<td>4%</td>
<td>$89,630</td>
<td>318,700</td>
</tr>
<tr>
<td>Software Developers</td>
<td>22%</td>
<td>$93,350</td>
<td>1,240,600</td>
</tr>
</tbody>
</table>

These data indicate there will be many job openings with high annual pay for graduates from multidisciplinary engineering technology programs. MXET also spans a wide range of industry segments including aerospace, automotive, medical, oil & gas, and communications, thus providing more flexibility in employment and less likelihood of being impacted by a downturn in a specific engineering field.

The Texas Job outlook for 2012-2022 shows much stronger demands than the national averages in similar fields with higher pay. The overall trend for Texas jobs is the same as that for USA with many job openings and high annual pay for graduates from multidisciplinary programs. Table 1 career fields are in listed in the top 50 for most openings and highest pay in Texas and across the nation.

B. Projected Enrollment

The LCC College currently admits entering freshmen into the general engineering program whereby most students follow a common first-year engineering curriculum that is also required for the BS MXET degree program. Students interested in the proposed BS MXET degree program will apply using the same entry-to-a-major process for all existing engineering and engineering technology majors. Because the large majority of engineering and engineering technology majors are full time students, it is assumed that most BS MXET majors will be full-time students. Given that students remain in general engineering for their first year, students will start the BS MXET degree program as sophomores. Hence, the numbers in Table 2 reflect students graduating from the program after three years following acceptance into the MXET program.

<table>
<thead>
<tr>
<th>YEAR</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Headcount</td>
<td>24</td>
<td>44</td>
<td>64</td>
<td>93</td>
<td>135</td>
</tr>
</tbody>
</table>
C. Existing State Programs
In the State of Texas, there are no mechatronics or electromechanical BS programs. A search on
the web identified the following BS programs in mechatronics or electromechanical engineering
within the US:

**Mechatronics/Electromechanical Engineering (BS) programs**
1. Chico State in California
2. Colorado State University-Pueblo
3. NC State University
4. Northern Illinois University
5. Purdue University Calumet
6. Southern Polytechnic State University
7. Tennessee Tech University
8. University of Denver
9. University of Hartford
10. University of North Carolina at Asheville
11. University of Pennsylvania
12. Vaughn College of Aeronautics and Technology
13. Western New England University

**Mechatronics/Electromechanical Engineering Technology (BS) programs**
1. Alfred State College SUNY College of Technology
2. Vermont Tech

There are approximately 10 junior colleges in Texas that do offer associate degrees in
electromechanical engineering or technology. Therefore, Texas A&M University will have no
competition from within the State of Texas at the BS level and does not foresee any competitions
at this level in the near future. In addition, the 10 associate programs will provide potential
recruiting opportunities for new students transferring to the Look College of Engineering.

II. QUALITY & RESOURCES

A. Faculty
The majority of the technical component of the MXET curriculum will come from
courses which are currently offered within the ESET and MMET programs housed in the
Department of Engineering Technology and Industrial Distribution (ETID).
Approximately 16 ETID faculty members will be involved in the delivery of the current
courses/laboratories. Faculty required to develop and deliver the focus area coursework
will grow from 0.5 FTE to approximately 2 FTE over the first five years of the program.
The need for lecturers will grow from one to two FTEs in years 3 to 5 to support growth
requirements for new sections of current ESET and MMET courses.

B. Program Administration
To administer the new program, a 1/3 faculty member will be required to function as the
program coordinator.

C. Other Personnel
Administrative support will be initially shared by the program administrative
coordinators of the ESET and MMET programs. As the program grows, administrative
support will grow from a half-time person in year 3 to a full-time person in year 5.

D. Supplies, Materials
Supplies and material for the first five years of operation are expected to be replacement of expendable laboratory components, modules, and cabling.

E. Library
All necessary library resources are already in place, both at the University level and via internet searches.

F. Equipment, Facilities
The Engineering Technology and Industrial Distribution Department currently houses all the laboratory, computational and pedagogical resources to support the proposed program. Furthermore, the newly established 16,000 sq. ft. Engineering Innovation Center (EIC) in the College is well equipped to support MXET program product and systems design and development activities among undergraduate students. EIC resources include more than 7,000 sq. ft. of multi-user collaboration space available to students for extended hours including weekend. The EIC also includes a 6,600 sq. ft. fabrication area with access to 3D printers, laser cutters, lathes and mills to support the development of multidisciplinary team project prototypes, and access to a conference room for remote collaborations with industry.

G. Accreditation
The Educational Objectives, Student Outcomes, and Features have been established to meet the General Engineering Technology program criteria of the Engineering Technology Accreditation Commission of the Accreditation Board for Engineering and Technology (ETAC/ABET\textsuperscript{e}). The MXET program will pursue accreditation in the first fall semester after students have graduated from the program.

III. NEW 5 YEAR COSTS & FUNDING SOURCES

<table>
<thead>
<tr>
<th>NEW FIVE-YEAR COSTS</th>
<th>SOURCES OF FUNDING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Faculty</td>
<td>Formula Income</td>
</tr>
<tr>
<td></td>
<td>$1,125,000</td>
</tr>
<tr>
<td>Program Administration</td>
<td>Statutory Tuition</td>
</tr>
<tr>
<td></td>
<td>$100,000</td>
</tr>
<tr>
<td>Graduate Assistants</td>
<td>Reallocation</td>
</tr>
<tr>
<td></td>
<td>$450,000</td>
</tr>
<tr>
<td>Supplies &amp; Materials</td>
<td>Designated Tuition</td>
</tr>
<tr>
<td></td>
<td>$15,000</td>
</tr>
<tr>
<td>Library &amp; IT Resources</td>
<td>Other Funding:</td>
</tr>
<tr>
<td></td>
<td>Industry support</td>
</tr>
<tr>
<td></td>
<td>$0</td>
</tr>
<tr>
<td>Equipment, Facilities</td>
<td>Estimated 5-year Revenues</td>
</tr>
<tr>
<td></td>
<td>$250,000</td>
</tr>
<tr>
<td>Other</td>
<td>Estimated 5-year Revenues</td>
</tr>
<tr>
<td></td>
<td>$17,000</td>
</tr>
<tr>
<td>Estimated 5-Year Costs</td>
<td>$1,957,000</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Request Form for Bachelor's and Master's Degrees

Following Board action on July 30, 2009, new bachelor's and master's programs that meet the following criteria are automatically approved (Chapter 5, Subchapter C, Section 5.44):

- The program has institutional and governing board approval;
- the program complies with the Standards for Bachelor's and Master's Programs;
- adequate funds are available to cover the costs of the new program;
- new costs during the first five years of the program will not exceed $2 million;
- the program is a non-engineering program (i.e., not classified under CIP code 14); and
- the program will be offered by a university or health-related institution.

A new bachelor's or master's degree program that meets these criteria may be requested using the Certification Form for New Bachelor's and Master's Programs and is automatically approved if no objections are received during the 30-day public comment period. The institution's program inventory will be updated accordingly and a letter of approval will be sent to the institution/System. All other requests for new bachelor's or master's programs must be submitted using the Form for Requesting a New Bachelor's or Master's Degree Programs.

I. Need

A. Job Market Need

As shown in Figure 1, the Multidisciplinary Engineering Technology program will be composed of 127 SCHs which encompasses a University Core, a Math and Science Core, a MXET Core (including Freshman Engineering and two Directed Technical Electives) and a Focus Area of study.

![MXET Program Block Diagram (127 SCHs)](image)

The intent of the degree program is to provide undergraduate students more opportunities for a customized experiential learning opportunity than is typically provided in programs that are more discipline specific. A number of Focus Areas are possible and could be developed in the future based on documented need and student interest. The first, Mechatronics - also known as electromechanical engineering technology, is an engineering technology discipline that prepares individuals to apply mathematical and scientific principles to the design, development and operational evaluation and maintenance of complex computer controlled electro-mechanical systems and products with embedded electronics, sensors, and actuators [1, 2]. Examples of
other Focus Areas that represent the breadth and cross disciplinary aspects of the MXET program include Entrepreneurial New Product Development, Energy Management, and Instrumentation. This Entrepreneurial Product Development Focus Area, which is geared towards the inclusion of business-related concepts and aspects of starting a new venture in a high tech industry segment, will be used to demonstrate how new area of interest can be achieved when demand and support are available.

The following diagram shows the interdisciplinary nature of the Multidisciplinary Engineering Technology program with a mechatronics focus area. Graduates from multidisciplinary engineering technology programs have a unique skill set that allows them to engage in product development and commercialization from a systems perspective.

![Diagram showing interdisciplinary nature of the Multidisciplinary Engineering Technology program with a mechatronics focus area.](image)

**Figure 2. Multidisciplinary Engineering Technology with Mechatronics Focus**

The Occupational Outlook Handbook of US Bureau of Labor Statistics does not have a separate category for Multidisciplinary Engineering Technology. However, considering that a proposed program includes fundamental courses in mechanical engineering technology and electronic systems engineering technology which includes embedded electronic hardware and control software, it is reasonable to say that graduates from a multidisciplinary engineering technology program can be hired to work in many of the fields depicted in this diagram, especially where the specialties intersect and require capabilities in multiple disciplines.

Although detailed statistics specific to careers in engineering technology are not available, in general these careers will closely follow those of similar-focused engineering careers. Table 1 shows the growth outlook in USA from 2012-2022, for jobs in mechanical engineering, electrical engineering & electronics engineering, and software development. These same types of growth rates should be expected in the associated engineering technology career fields.
Table 1. USA Engineering Employment Growth Outlook 2012-2022 [3]

<table>
<thead>
<tr>
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</table>

Source: [http://www.bls.gov/oco/architecture-and-engineering/home.htm](http://www.bls.gov/oco/architecture-and-engineering/home.htm)

The data indicate there will be many job openings with high annual pay for graduates from a multidisciplinary engineering technology program and is justification for the lead focus area to be mechatronics. In addition, graduates from the multidisciplinary engineering technology program will have the flexibility of choosing from any of these three categories. Companies like Tenaris are quick to see the value of an employee in their oil & gas manufacturing facilities for a graduate who has education experience in mechanical systems, electronic systems, embedded intelligence systems and control systems. This provides more flexibility in employment and a less likelihood of being impacted by an unexpected downturn in a specific engineering field.

The Texas Job outlook for 2012-2022 (Table 2) shows much stronger demands than the national averages in similar fields with higher pay. The overall trend for Texas jobs is the same as that for USA: There will be many job openings with high annual pay for graduates from the Look College of Engineering multidisciplinary engineering technology program.

Table 2. Texas Long-Term Employment Projections (2012-2022) [4]

<table>
<thead>
<tr>
<th>Occupation</th>
<th>Growth rate</th>
<th>Annual Pay</th>
<th>annual average job opening</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrical Engineers</td>
<td>20.8%</td>
<td>$101,126</td>
<td>580</td>
</tr>
<tr>
<td>Electronics Engineers, Ex. Computer</td>
<td>22.2%</td>
<td>$100,002</td>
<td>485</td>
</tr>
<tr>
<td>Mechanical Engineers</td>
<td>20.0%</td>
<td>$99,073</td>
<td>990</td>
</tr>
<tr>
<td>Software Developer, Applications</td>
<td>25.1%</td>
<td>$97,035</td>
<td>1,540</td>
</tr>
</tbody>
</table>


According to US Department of Labor, among 4 year B.S. degrees, all four relevant occupations, Mechanical Engineers, Electrical Engineers, Electronics Engineers, and Software Developers (application), rank in the top 50 occupations with most openings: 22nd, 41st, 46th, and 9th respectively [3]. These four occupations also ranked among top 50 for highest paying jobs (ME: 45th, Electrical Engineers: 33rd, Electronics Engineers: 25th, Software Developers: 14th) [3]. In Texas, these four occupations also ranked among the top 50 with most openings (22nd, 41st, 46th, and 9th respectively) and the top 50 highest paying (38th, 30th, 31st, and 7th, respectively)

Hence, the short-term and long-term outlook for students with a multidisciplinary engineering technology degree with a focus in mechatronics is very good.

The 2014 federal Workforce Innovation and Opportunity Act (WIOA) places renewed emphasis on education and training for workforce needs. Government, employers, and other key stakeholders in Texas have raised concerns as well the current pool of graduates are not meeting workforce needs and have emphasized a need for greater alignment between workforce needs and education [6]. According to [6], engineering and engineering technology are high-demand, medium-supply cells that needs special attention when considering new degree programs.

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Two meetings with industrial partners have been held and two more are being planned. Initial feedback from industrial partners indicated very strong support. There is a need for graduates with multidisciplinary educational experiences, especially with a focus in the field of mechatronics.

A search on the web identified the following BS programs in mechatronics or electromechanical engineering:

**Mechatronics/Electromechanical Engineering (BS) programs**
1. Chico State in California
2. Colorado State University-Pueblo
3. NC State University
4. Northern Illinois University
5. Purdue University Calumet
6. Southern Polytechnic State University
7. Tennessee Tech University
8. University of Denver
9. University of Hartford
10. University of North Carolina at Asheville
11. University of Pennsylvania
12. Vaughn College of Aeronautics and Technology
13. Western New England University

**Mechatronics/Electromechanical Engineering Technology (BS) programs**
1. Alfred State College SUNY College of Technology
2. Vermont Tech

Note that there is no university in Texas on the above two lists. There are around 10 junior colleges in Texas that offer associate degrees in electromechanical engineering or technology.

While the market need for entry level graduates with multidisciplinary capabilities is clearly there, why are not more universities offering multidisciplinary engineering technology programs focused on mechatronics with BS degrees? One of the reasons could be the interdisciplinary nature of mechatronics. In general it requires multiple departments or programs, including mechanical and electrical, to be involved. ETID is unique in that there are two Engineering Technology programs within the department - Manufacturing and Mechanical Engineering Technology (MMET) and Electronic Systems Engineering Technology (ESET) - that can be the basis for a new multidisciplinary program. The multidisciplinary engineering technology with a focus in mechatronics proposed by ETID will be a seamless integration of the two programs with two additional new courses specifically in mechatronics. This new program will address the job market need primarily in Texas, as well as be competitive nationwide. The unique structure of ETID will keep the cost of creating the new degree at a reasonable level. The multidisciplinary engineering technology program in ETID will be in direct competition with Alfred State College, SUNY College of Technology and Vermont Tech at the national level. Even though there is no national ranking for engineering technology programs, it is safe to say that ETID is in a favorable position to compete against most engineering technology programs in terms of qualification of faculty, research productivity, and teaching. In the State of Texas, there is no multidisciplinary
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engineering technology program with an emphasis in mechatronics at the BS level. We will have no competition and do not foresee any competitions in the near future.

B. Student Demand

According to Texas Higher Education Coordinating Board, there will be an average of 6.3% increase in enrollment of all Texas higher education institutions from 2015 to 2020 [7]. The Dwight Look College of Engineering at Texas A&M is in the process of expanding the engineering and engineering technology programs so that the enrollment will be increased to 25000 by 2025 [8]. In addition to more enrollments in the existing engineering/engineering technology programs, we need to create more options for students. Many students want to work in both the mechanical and electronic areas. With the significant increase in design and analytical tools for these two disciplines, more students want to combine elements of both domains as part of their undergraduate education. However, these students may not be able to get into mechanical engineering, electrical engineering or the associated engineering technology program due to the capacity limit for these departments/programs. The new multidisciplinary engineering technology program will provide these students an alternative.

Another source of students is the transfer students from existing electromechanical engineering associate degree programs. Table 3 shows that there are 185 students graduated in electromechanical engineering programs from about 10 junior colleges (Palo Alto College has an electromechanical engineering program, but was not listed in the THECB’s database.)

Table 3. Electromechanical Associate Degree Graduates in Texas, 2014 [9]

<table>
<thead>
<tr>
<th>Institution</th>
<th>Total Graduates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amarillo College</td>
<td>17</td>
</tr>
<tr>
<td>Angelina College</td>
<td>14</td>
</tr>
<tr>
<td>Clarendon College</td>
<td>2</td>
</tr>
<tr>
<td>Midland College</td>
<td>10</td>
</tr>
<tr>
<td>Peris Junior College</td>
<td>7</td>
</tr>
<tr>
<td>Texas State Technical College-Harlingen</td>
<td>20</td>
</tr>
<tr>
<td>Texas State Technical College-Waco</td>
<td>68</td>
</tr>
<tr>
<td>Texas State Technical College-West Texas</td>
<td>19</td>
</tr>
<tr>
<td>Tyler Junior College</td>
<td>28</td>
</tr>
<tr>
<td>Statewide</td>
<td>185</td>
</tr>
</tbody>
</table>

We also expect that there will be some high school graduates who would choose to enroll in the multidisciplinary engineering technology program with a mechatronics focus as freshmen. There may also be interests among the engineering students to pursue a minor in mechatronics. Some people in the current workforce with associate degrees may also choose to advance their career by coming back to school for a BS degree in multidisciplinary/mechatronics engineering technology.

C. Enrollment Projections

The Look College currently admits entering freshmen into the general engineering program whereby most students follow a common first-year engineering curriculum. The same first-year curriculum will be required for the BS MXET degree program. Students interested in the proposed BS MXET degree program will apply using the same entry-to-a-major process for all existing engineering/engineering technology majors. Because the large majority of engineering/engineering technology majors are full time students, it is assumed that most BS MXET majors will be full-time students. In addition, the MXET program will actively recruit
underrepresented student groups to the program. Given that students remain in general engineering for their first year, students will start the BS MXET degree program as sophomores. Hence, the numbers below reflect students graduating from the program after three years following acceptance into the MXET program.

Table 4. Estimated Cumulative Headcount and FTSE

<table>
<thead>
<tr>
<th>Year</th>
<th>Change of Major/Transfers</th>
<th>New Students</th>
<th>Attrition</th>
<th>Graduation</th>
<th>Cumulative Headcount</th>
<th>Cumulative FTES (New only)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>6</td>
<td>20</td>
<td>2</td>
<td>0</td>
<td>24</td>
<td>20</td>
</tr>
<tr>
<td>2</td>
<td>6</td>
<td>38</td>
<td>2</td>
<td>0</td>
<td>44</td>
<td>40</td>
</tr>
<tr>
<td>3</td>
<td>6</td>
<td>60</td>
<td>2</td>
<td>20</td>
<td>64</td>
<td>60</td>
</tr>
<tr>
<td>4</td>
<td>6</td>
<td>89</td>
<td>2</td>
<td>30</td>
<td>93</td>
<td>88</td>
</tr>
<tr>
<td>5</td>
<td>6</td>
<td>131</td>
<td>2</td>
<td>40</td>
<td>135</td>
<td>130</td>
</tr>
</tbody>
</table>

*These numbers will dictate the projected formula income in the funding source portion in Section III, Anticipated New Formula Funding.

FTES = full-time equivalent student.

Per CB guidelines, 1 FTES = 15 sch for UG, 12 sch for M, and 9 sch for D

II. Quality

A. Degree Requirements

Table 5 is a summary of the proposed degree requirements for the MXET program with a mechatronics focus area. These requirements are subdivided into major categories and a justification for exceeding the 120-hour SCH limit is provided. The General Education Core includes the University Core curriculum (27SCH) and required Math and Science courses (23 SCH). Required MXET Core Courses (44 SCH) include 40 SCH of coursework from the ESET and MMET programs and the Freshman Engineering courses (ENGR 111/112). The Mechatronics Focus (27 SCH) includes two new mechatronics courses and other selected ESET and MMET courses. Six hours of directed technical electives is also included in the multidisciplinary/mechatronics engineering technology program. Similarly, the MXET program with an entrepreneurial new product development focus will also have 127 SCH defined.

Table 5. Curriculum Summary

AAR/Webmasters Updated 1/30/2010
<table>
<thead>
<tr>
<th>Category</th>
<th>Semester Credit Hours</th>
<th>Clock Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Education Core Curriculum (bachelor's degree only)</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>Required Courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MXET Core</td>
<td>44</td>
<td></td>
</tr>
<tr>
<td>Mechatronics Focus</td>
<td>27</td>
<td></td>
</tr>
<tr>
<td>Prescribed Electives</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Free Electives</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Other (Specify, e.g., internships, clinical work) (if not included above)</td>
<td>(if not included above)</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>127</strong></td>
<td></td>
</tr>
</tbody>
</table>

Note: A Bachelor degree should not exceed 120 Semester Credit Hours (SCH) per Board rule 5.44[a] (3). Those that exceed 120 SCH must provide detailed documentation describing the compelling academic reason for the number of required hours, such as programmatic accreditation requirements, statutory requirements, or licensure/certification requirements that cannot be met without exceeding the 120-hour limit.

* 127 Semester Credit Hours is minimum requirement to achieve ABET/ETAC accreditation for Mechatronics Program. Existing engineering technology programs in the Look College require 127 or 128 SCH. The 127 or 128 SCH requirement is needed to satisfy ABET/ETAC requirements for depth and breadth in the engineering technology discipline, math and science and to satisfy the core curriculum requirements. The proposed BS degree in MXET will require 127 SCH so that the MXET degree program will have similar depth and breadth to satisfy ABET/ETAC accreditation and core curriculum requirements.

Program Educational Objectives:

The educational objectives of the BS MXET degree program are to produce graduate who are prepared to accomplish all of the objectives listed below and who will, within two to five years after graduation, indeed accomplish at least two of the following objective:

- Possess and demonstrate technical knowledge of the design, manufacture, sales, and service of complex systems that span multiple engineering technology disciplines.
- Demonstrate increasing level of leadership and responsibility.
- Exhibit productivity in a dynamic work environment through a commitment to lifelong learning.
- Exhibit a commitment to professional ethics in their professional career.

Student Outcomes:

a) An appropriate mastery of the knowledge, techniques, skills and modern tools of complex systems that span multiple engineering technology disciplines.

b) An ability to apply current knowledge and adapt to emerging applications of mathematics, science, engineering and technology.

c) An ability to conduct standard tests and measurements; to conduct, analyze and interpret experiments, and to apply experimental results to improve processes.

d) An ability to apply creativity in the design of complex systems that span multiple engineering technology disciplines.
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e) An ability to function effectively on teams.

f) An ability to identify, analyze and solve technical problems.

g) An ability to apply written, oral, and graphical communication in both technical and non-technical environments; and an ability to identify and use appropriate technical literature.

h) An understanding of the need for and an ability to engage in self-directed continuing professional development.

i) An ability to understand professional, ethical and social responsibilities.

j) A respect for diversity and knowledge of contemporary professional, societal and global issues.

k) A commitment to quality, timeliness, and continuous improvement.

Features of BS MXET degree program:

- Students follow the common first-year curriculum in the college of engineering. This provides students the opportunity to become familiar with different engineering majors, before applying to enter a major.

- The overall curriculum satisfies the requirements of the TAMU Core Curriculum – 42 credit hours. Reference: [http://us.tamu.edu/Undergraduate-Studies/Core-Curriculum](http://us.tamu.edu/Undergraduate-Studies/Core-Curriculum).

- General engineering students will apply for the BS MXET degree program through the entry-to-a-major process, consistent with other engineering majors. For students already in a major, the change of curriculum process will be required for entry to the BS MXET degree program. The MXET Program Coordinator will oversee both processes.

- The BS MXET program curriculum is designed to meet the General Criteria of the Engineering Technology Accreditation Commission (ETAC) of the Accreditation Board for Engineering and Technology (ABET).

B. Curriculum

Two different focus areas are presented as viable examples of the breadth of the MXET program in supporting multidisciplinary undergraduate experiential learning opportunities. The first focus area planned for implementation will be mechatronics. Based on industry support and student interest, once the mechatronics focus area is stood up and operational, the entrepreneurial new product development focus area will be created. Other focus areas which would also be considered for future expansion of the program include energy/building management, manufacturing automation, and instrumentation. The MXET Program core curriculum requirements for are contained in Table 6, and the focus area curriculum for mechatronics and entrepreneurial product development are contained in Tables 7 and 8, respectively. All core requirements are the same with 27 SCHs defining each focus area. The MXET core curriculum includes two technical electives that will broaden the students understanding and expertise in closely related technical areas. These are neither Prescribed nor Free electives, but will be selected by the student with input and approval from the student’s academic advisor and approved by the MXET Program Coordinator. For this reason the electives are included in the list of core curriculum.

<table>
<thead>
<tr>
<th>Prefix and Number</th>
<th>Required Courses</th>
<th>SCH</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 104</td>
<td>Composition</td>
<td>3</td>
</tr>
<tr>
<td>HIST 105</td>
<td>History</td>
<td>3</td>
</tr>
</tbody>
</table>

Table 6. Required Courses for the BS MXET degree.
Table 7. Required Courses for Mechatronics Focus Area.

<table>
<thead>
<tr>
<th>Prefix and Number</th>
<th>Required Courses</th>
<th>SCH</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESET 349</td>
<td>Microcontroller Architecture</td>
<td>4</td>
</tr>
<tr>
<td>ESET 369</td>
<td>Embedded Systems Software</td>
<td>4</td>
</tr>
<tr>
<td>ESET 462</td>
<td>Control Systems</td>
<td>4</td>
</tr>
</tbody>
</table>

AAR/Webmasters Updated 11/30/2010
Table 8. Example of Future Focus Area - Entrepreneurial Product Development.

<table>
<thead>
<tr>
<th>Prefix and Number</th>
<th>Required Courses</th>
<th>SCH</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESET 319</td>
<td>Leadership</td>
<td>3</td>
</tr>
<tr>
<td>ESET 329</td>
<td>Six Sigma</td>
<td>3</td>
</tr>
<tr>
<td>ESET 333</td>
<td>Product Development</td>
<td>3</td>
</tr>
<tr>
<td>ESET 349</td>
<td>Microcontroller Architecture</td>
<td>4</td>
</tr>
<tr>
<td>MMET 320</td>
<td>Quality Assurance</td>
<td>3</td>
</tr>
<tr>
<td>MMET 361</td>
<td>Product Design and Solid Modeling</td>
<td>3</td>
</tr>
<tr>
<td>MMET 363</td>
<td>Applications I</td>
<td>3</td>
</tr>
<tr>
<td>IDIS 424</td>
<td>Purchasing Application in Distribution</td>
<td>3</td>
</tr>
<tr>
<td>IDIS 464</td>
<td>Distribution Operations and Financial Management</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Entrepreneurial New Product Focus</strong></td>
<td><strong>27</strong></td>
<td></td>
</tr>
</tbody>
</table>
will be classified as Support faculty and will be assigned percentages of 15% or less to the new program. Tables 9 and 10 list the faculty members who will be engaged in the delivery of the new MXET program curriculum together with their educational credentials, courses that will be taught, and percentage of assignment to the MXET program. The Core and Support faculty members are predominately tenured associate and full professors in the ETID Department, have backgrounds specific to the field of the MXET program, and clearly meet SACS requirements.

### Table 9. Core Faculty

<table>
<thead>
<tr>
<th>Name of Core Faculty and Faculty Rank</th>
<th>Highest Degree and Awarding Institution</th>
<th>Courses Assigned in Program</th>
<th>% Time Assigned To Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>* Morgan, Joseph A, Professor</td>
<td>DEng, Texas A&amp;M University Industrial Engineering</td>
<td>ESET 219, ESET 419 (Capstone I), ESET 420 (Capstone II)</td>
<td>50</td>
</tr>
<tr>
<td>Song, Xingyong, Assistant Professor</td>
<td>Ph.D., University of Minnesota Twin Cities</td>
<td>ESET 462, MMET XXX (Dynamics)</td>
<td>75</td>
</tr>
<tr>
<td>Johnson, Michael D, Associate Professor</td>
<td>PhD, Massachusetts Institute of Technology Mechanical Engineering</td>
<td>MMET 361, MMET 429 (Capstone I), MMET 422 (Capstone II)</td>
<td>15</td>
</tr>
<tr>
<td>New Faculty in Year 2</td>
<td></td>
<td></td>
<td>25</td>
</tr>
</tbody>
</table>

### Table 10. Support Faculty

<table>
<thead>
<tr>
<th>Name of Support Faculty and Faculty Rank</th>
<th>Highest Degree and Awarding Institution</th>
<th>Courses Assigned in Program</th>
<th>% Time Assigned To Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alvarado, Jorge L, Associate Professor</td>
<td>PhD, University of Illinois Mechanical Engineering</td>
<td>MMET 303, MMET 370</td>
<td>15</td>
</tr>
<tr>
<td>Buchanan, Walter W, Professor</td>
<td>PhD, Indiana University Higher Education</td>
<td>ESET 210</td>
<td>10</td>
</tr>
<tr>
<td>Burke, Adam J, Lecturer</td>
<td>BS, Texas A&amp;M University Engineering Technology</td>
<td>ESET 269</td>
<td>10</td>
</tr>
<tr>
<td>Hsieh, Sheng-Jen, Professor</td>
<td>PhD, Texas Tech University Industrial Engineering</td>
<td>MMET XXX (Mechatronics II)</td>
<td>10</td>
</tr>
<tr>
<td>Kuttolamadom, Mathew A, Assistant Professor</td>
<td>PhD, Clemson University Systems Engineering</td>
<td>ENTC 275</td>
<td>10</td>
</tr>
<tr>
<td>Langari, Gholamreza, Professor</td>
<td>PhD, University of California at Berkeley Mechanical Engineering</td>
<td>MMET XXX (Dynamics), MMET XXX (Mechatronics I)</td>
<td>10</td>
</tr>
<tr>
<td>Leon, Victor J, Professor</td>
<td>PhD, Lehigh University Industrial Engineering</td>
<td>MMET 320</td>
<td>10</td>
</tr>
<tr>
<td>Porter, Jay R, Professor</td>
<td>PhD, Texas A&amp;M University Electrical Engineering</td>
<td>ESET 350</td>
<td>10</td>
</tr>
<tr>
<td>Price, Angie H, Associate Professor</td>
<td>PhD, Texas A&amp;M University Interdisciplinary Engineering</td>
<td>MMET 207</td>
<td>10</td>
</tr>
<tr>
<td>Sun, Gang, Visiting Assistant Professor</td>
<td>PhD, Iowa State University Environmental Systems Engineering</td>
<td>ESET 349, ESET 369</td>
<td>15</td>
</tr>
<tr>
<td>Wang, Jyhwen,</td>
<td>PhD, Northwestern University</td>
<td>ENTC 363, MMET 376</td>
<td>15</td>
</tr>
</tbody>
</table>
The impact to existing programs will be reasonable and manageable given the current faculty. Most faculty in the ESET and MMET programs will continue to teach the courses they currently are assigned, but will now have MXET students. The size of the program will be controlled in total numbers and growth so as to not burden the other two programs. Only a small number of new courses will be required and these will be developed by faculty assigned to the MXET program and will also be available to the other two programs as technical electives. As required, graduate students to support increased laboratory sections will be added to maintain student growth.

D. Students

Describe general recruitment efforts and admission requirements. In accordance with the institution’s Uniform Recruitment and Retention Strategy, describe plans to recruit, retain, and graduate students from underrepresented groups for the program.

Beginning in the fall of 2014, the Look College has admitted all entering freshmen into a general engineering pool for which most students follow a common freshmen year. Students interested in the BS MXET degree will be able to apply for the MXET program through the entry-to-a-major (ETAM) process, starting as early as their second semester of study. For students already in a major, the change of curriculum process will be required for entry to the BS MXET degree program. The Program Coordinator for the MXET program will oversee both processes. Recruiting will be undertaken initially for the MXET mechatronics focus area specifically and expanded to other focus areas in the future.

a) Details for applying to the BS MXET degree program will be made known to students consistent with the process for informing all ENGE students about the entry-to-a-major process.

b) Interested ENGE students are required to meet with the Program Coordinator for the Mechatronics program to discuss the program’s purpose and identify the student’s interests the multidisciplinary degree program.

c) Students then submit their tentative degree plans to the MXET Program Coordinator for review.

d) Steps (b) and (c) above must be completed before students apply to the BS MXET degree program through the entry-to-a-major process on the Howdy web portal. The MXET Program Coordinator program will oversee the review process for the entry-to-a-major MXET applications. Admission into the BS MXET degree program will be based on a comprehensive review of the entry-to-a-major application by the MXET faculty.

E. Library

All necessary library resources are already in place, both at the University level and via the internet.

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F. Facilities and Equipment

The Engineering Technology and Industrial Distribution Department currently houses all the laboratory, computational and pedagogical resources to support the proposed MXET program. Furthermore, the newly established 16,000 sq. ft. Engineering Innovation Center (EIC) in the College is well equipped to support the mechatronics and entrepreneurial focus areas for product and systems design and development activities for MXET undergraduate students at various stages of the program. EIC resources include more than 7,000 sq. ft. of multiuser collaboration spaces available to students for extended hours including weekends; it includes a 6,600 sq. ft. fabrication area with access to 3D printers, laser cutters, lathes and mills to support the development of multidisciplinary team project prototypes, and access to a conference room for remote collaborations with industry. Furthermore, the EIC offers students access to informal, non-academic programs such as Aggies Invent and Pop-Up Classes that promote collaborations across majors, innovation, and entrepreneurship.

G. Accreditation

The MXET program curriculum is designed to meet the General Engineering Technology program criteria of the Engineering Technology Accreditation Commission (ETAC) of the Accreditation Board for Engineering and Technology (ABET). The MXET program includes the eleven (a through k) learning outcomes required by ETAC. The lead society from which program evaluators are appointed is the American Society for Engineering Education (ASEE).

ETAC/ABET requires that an institution seeking accreditation for a new engineering technology degree program must apply for an accreditation visit in the first fall after students have graduated from the new degree program. Further, an institution cannot seek accreditation until students have graduated from the new degree program. The other two engineering technology programs (Electronic Systems and Mechanical/Manufacturing) in the Look College are accredited by the Engineering Technology Accreditation Commission of ABET. The ETID Department and the Look College are very familiar with expectations for accredited engineering technology programs and will use its experience with the accreditation process in seeking accreditation for the MXET degree program as soon as students have graduated from the program.

H. Evaluation

The General Criteria of the Engineering Technology Accreditation Commission of ABET encompass eight criteria: Students, Program Educational Objectives, Student Outcomes, Continuous Improvement, Curriculum, Faculty, Facilities, and Institutional Support. Within the Dwight Look College, institutional processes and resources that support applications for accreditation for two existing ETAC/ABET accredited engineering technology programs will be used, virtually unchanged, for the following criteria: Students, Facilities, and Institutional Support. The criterion for Faculty has been met by the outstanding engineering technology faculty members of the Engineering Technology and Industrial Distribution Department within the Dwight Look College. Current ETID faculty members have been identified who will invest a portion of their time in the BS MXET degree program. In addition, the ETID Department is actively recruiting new faculty who will also be engaged in the delivery of the multidisciplinary engineering technology program. For example, the faculty member was hired at the end of the summer 2015 semester is teaching the classical controls course offered by the ESET program and is also developing a multidisciplinary course. In addition, another current ETID faculty member has been selected as the interim program coordinator and is responsible for the coordination of new
program activities and generation of paperwork associated with the new program request and approval process. It is expected that the qualifications of these faculty will satisfy the ETAC/ABET criterion for Faculty.

Program Educational Objectives have been developed and are included in this application. They will be refined using existing processes for review of the Program Educational Objectives by program stakeholders. In this way, the Program Educational Objectives criterion will be satisfied. Likewise, the Student Outcomes have been developed and are included in this application; thus, this criterion will be satisfied. The requirements for the Curriculum criterion were carefully considered in preparing the curriculum for the BS MXET degree program and the initial two focus areas. Therefore, it is expected that the Curriculum criterion will be satisfied.

The final criterion is Continuous Improvement, which requires that there be a process to evaluate achievement of student outcomes and a process to improve achievement of student outcomes. Continuous Improvement will be accomplished using a number of feedback mechanisms. The first will be course evaluations conducted by ETID faculty teaching MXET courses on a semester basis that will determine if the specific course objectives that are mapped to program outcomes have been met for each course. These data will then feed into a Learning Outcomes assessment: across the entire program. Once each year, the Industrial Advisory Board will review the Capstone projects that MXET students are engaged in to evaluate how each student learning outcome is being achieved. These two processes will guide the activities undertaken by the MXET program to improve the curriculum and learning processes. In addition, the MXET program will include information and feedback provided by the Graduating Senior Survey, the Departmental Advisor Form, Former Student Survey, and Employer Survey. Given the experience of the ETID Department and the Dwight Look College with respect to the Continuous Improvement criterion, it is expected that the Continuous Improvement criterion will be satisfied.

III. Costs and Funding

Approximately 90 percent of new MXET curriculum will leverage current ESET and MMET courses and laboratories that are already in place. Therefore, most of the costs associated with the five-year startup costs for the MXET program will be for the development and delivery of four new (or highly modified) courses to support the new curriculum. In addition, student recruiting and enrollment advising will be performed using existing departmental resources.

Basically, the faculty required to deliver the MXET curriculum will grow from 0.5 FTE to 1.5 FTE over the five-year startup period to support program leadership and new course development and delivery. From year 3 to 5, the need for lecturers will grow from 1 to 2 FTEs to support growth requirements for new sections of current ESET and MMET courses. GAT support will grow from 2 to 5 in the first five years to accommodate additional lab sections of current and new lab sections of the four new courses. Administrative costs will start at a half-time employee beginning in year 2 and is expected to grow to a full-time person in year 5 to support the new program. Five-year funding includes use of reallocated funds which are derived from the hiring of a new faculty member who will focus on MXET course development and delivery, a current faculty member assuming responsibilities of program coordinator, and use of current funds to procure new laboratory equipment. In addition to the estimated $922,000 of anticipated New

1 Please use the "Program Funding Estimation Tool" found on the CB website to correctly estimate state funding.
AAR/Webmasters Updated 11/30/2010
New Program Request Form for Bachelor’s and Master’s Degrees

Page 15

Formula Funding, $200,000 is included which will come from external industry support and additional DT funding that will be generated.

Five-Year Costs and Funding Sources

Table 11 presents the estimated costs and associated funding resources that are applicable to the new Multidisciplinary Engineering Technology program at Texas A&M University.

Table 11. Five-Year Costs and Funding Resources

<table>
<thead>
<tr>
<th>Five-Year Costs</th>
<th>Five-Year Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personnel¹</td>
<td></td>
</tr>
<tr>
<td>Faculty</td>
<td>$1,025,000</td>
</tr>
<tr>
<td>Administration</td>
<td>$100,000</td>
</tr>
<tr>
<td>Graduate Assistants</td>
<td>$450,000</td>
</tr>
<tr>
<td>Clerical/Staff</td>
<td>$100,000</td>
</tr>
<tr>
<td>Other Personnel</td>
<td>$0</td>
</tr>
<tr>
<td>Facilities, Equipment &amp; IT Resources</td>
<td>$250,000</td>
</tr>
<tr>
<td>Supplies and Materials</td>
<td>$15,000</td>
</tr>
<tr>
<td>Library</td>
<td>$0</td>
</tr>
<tr>
<td>Other²</td>
<td>$17,000</td>
</tr>
<tr>
<td><strong>Total Costs</strong></td>
<td><strong>$1,957,000</strong></td>
</tr>
</tbody>
</table>

1. Report costs for reassigned faculty, new faculty hires, graduate assistants, and technical support personnel. Prorate individual salaries as a percentage of the time assigned to the program. If existing faculty will contribute to the program, include costs necessary to maintain existing programs (e.g., cost of adjunct to cover courses previously taught by faculty who would teach in new program).
2. Specify other costs here (e.g., accreditation, travel).
3. Indicate formula funding for students new to the institution because of the program; formula funding should be included only for years three through five of the program and should reflect enrollment projections for years three through five.
4. Report other sources of funding here. In-hand grants, “likely” future grants, and fees can be included.

REFERENCE:


http://www.careerinfonet.org/oview2.asp?next=oview2&Level=edu3&optstatus=101000000&jobfam=&id=1%2C14&modeid=4&soccode=&ShowAll=no&stfips=48


AAR/Webmasters Updated 1/30/2010

http://www.careerinfonet.org/oview2.asp?next=oview2&Level=edu3&optstatus=101000000&job fam=&id=1%2C14&nodeid=4&soccode=&ShowAll=no&stfips=48

[6] Charles A. Goldman, Lindsay Butterfield, Diana Lavery, Trey Miller, Lindsay Daugherty, Trinidad Beleche, and Bing Han, Using Workforce Information for Degree Program Planning in Texas, 2015.
Certification Form for New Bachelor's and Master's Programs
Texas Higher Education Coordinating Board

Directions: An institution shall use this form to request a new bachelor's or master's degree program that meets all criteria for automatic approval in Coordinating Board Rules, Chapter 5, Subchapter C, Section 5.44: (a) The program has institutional and governing board approval; (b) the program complies with the Standards for Bachelor's and Master's Programs; (c) adequate funds are available to cover the costs of the new program; (d) new costs during the first five years of the program will not exceed $2 million; (e) the program is a non-engineering program (i.e., not classified under CIP code 14); and (f) the program will be offered by a university or health-related institution.

If a new bachelor's or master's program does not meet the criteria above, an institution must submit a request using the Form for Requesting a New Bachelor's and Master's Degree Program.

Information: Contact the Division of Academic Affairs and Research at 512/427-6200 for more information.

Administrative Information

1. Institution:

Texas A&M University

2. Program Name: Show how the program would appear on the Coordinating Board's program inventory (e.g., Bachelor of Business Administration degree with a major in Accounting; Bachelor of Arts in Interdisciplinary Studies with 4-8 ESL Generalist Certification).

BS in Multidisciplinary Engineering Technology

3. Proposed CIP Code: 15.0000.00

4. Number of Required Semester Credit Hours (SCHs) (If the number of SCHs exceeds 120 for a bachelor's program, the institution must request a waiver documenting the compelling academic reason for requiring more SCHs):

127 SCHs
127 Semester Credit Hours is minimum requirement to achieve ABET/ETAC accreditation for Multidisciplinary Engineering Technology Program

5. Administrative Unit: Identify where the program would fit within the organizational structure of the university (e.g., The Department of Electrical Engineering within the College of Engineering).

Department of Engineering Technology and Industrial Distribution within the Dwight Look College of Engineering

6. Delivery Mode: Identify how and where the program would be delivered, e.g. on-campus face-to-face, online, off-campus, interactive videoconferencing, hybrid, etc.

On Campus face-to-face

7. Implementation Date: Report the first semester and year that students would enter the program.
Fall 2016

8. **Contact Person**: Provide contact information for the person who can answer specific questions about the program.

   Name: Dr. Reza Langari  
   Title: Department Head, ETID  
   E-mail: diangari@tamu.edu  
   Phone: 979-845-4951
Signature Page

I hereby certify that all of the following criteria have been met in accordance with the procedures outlined in Coordinating Board Rules, Chapter 5, Subchapter C, Section 5.44:

(a) The program has institutional approval.

(b) The program complies with the Standards for Bachelor's and Master's Programs.

(c) Adequate funds are available to cover the costs of the new program.

(d) New costs during the first five years of the program will not exceed $2 million.

(e) The program is a non-engineering program (i.e., not classified under CIP code 14).

(f) The program will be offered by a university or health-related institution.

I understand that the Coordinating Board will update the program inventory for the institution if no objections to the proposed program are received during the 30-day public comment period.

_________________________  __________________________
Chief Executive Officer                              Date

I hereby certify that the Board of Regents has approved this program.

Date of Board of Regents approval: _________________________________

_________________________  __________________________
Board of Regents (or Designee)                              Date
New Courses

From November 2015 UCC Meeting
Texas A&M University

Departmental Request for a New Course

Undergraduate • Graduate • Professional

• Submit original form and attach a course syllabus.

Form Instructions

1. Course request type: [ ] Undergraduate [ ] Graduate [ ] First Professional (DDS, MD, JD, PharmD, D/VMD)

2. Request submitted by (Department or Program Name): Department of Biological and Agricultural Engineering

3. Course prefix, number and complete title of course:
   AGSM 284: Internship

4. Catalog course description (not to exceed 50 words):
   Practical experience working in a professional agricultural systems management setting

5. Prerequisite(s):
   U1 or U2 classification; approval of the instructor

6. Is this a variable credit course? [ ] Yes [ ] No
   If yes, from ___ to ___

7. Is this a repeatable course? [ ] Yes [ ] No
   If yes, this course may be taken ___ times.
   Will this course be repeated within the same semester? [ ] Yes [ ] No

8. Will this course be submitted to the Core Curriculum Council? [ ] Yes [ ] No

9. How will this course be graded?: [ ] Grade [ ] S/U [ ] P/F (CLMD)

10. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)
   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

   BS AGSM

11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

12. [ ] I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

13. Prefix | Course # | Title (excluding punctuation)
   --- | --- | ---
   AGSM | 284 | Internship

   Lect | Lab | Other | SCH | CIP and Fund Code | Admin. Unit | Acad. Year | FICE Code |
   -- | -- | -- | -- | -- | -- | -- | --- |
   0.00 | 0.00 | 0.00 | 1403010006 | 0433 | 16 | 17 | 0 0 3 6 3 2 |

   Approval recommended by:
   [Signature]

   Department Head or Program Chair (Type Name & Sign)
   Date

   [Signature]

   Chair, College Review Committee
   Date

   [Signature]

   Dean of College
   Date

   Submitted to Coordinating Board by:
   Chair, GC or UCC
   Date

   Effective Date

   [Received Date]

   CURRICULAR SERVICES

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu
Curricular Services – 01/14
Course title and number       AGSM 284: Internship
Term                        Summer 2017
Meeting times and location  TBA

Course Description
Practical experience working in a professional agricultural systems management setting

Prerequisites
U1 or U2 classification.

Learning Outcomes
Upon completion of the internship experience students should have the ability to:

1. Manage Diverse personnel groups
2. Use advanced software tools
3. Assemble, implement, and manage technical systems
4. Perform economic analysis on technical systems
5. Utilize effective decision making processes in problem solving

Instructor Information
Name                        Mr. Russell McGee
Telephone number            979-845-3659
Email address               romcgee@tamu.edu
Office hours                By appointment
Office location             SCTS 303F

Textbook and/or Resource Material
None

Grading Policies
The course is evaluated based on submission of a written summary of the internship experience. If the student fails to submit a summary following the internship, then the student receives an Unsatisfactory grade.

Grading Scale:
Satisfactory …turned in a written report addressing at least 70% of the learning outcomes
Unsatisfactory…did not turn in a written report or did not address at least 70% of the LO’s

Attendance Policy
A component of the ethical responsibility of an employee is exhibiting good work habits and respect for the time and effort of others. Prompt completion of the assignment and considerate behavior are thus expected of all students in the course. The University views class attendance as the responsibility of an individual student. Attendance is essential to complete the course successfully. University rules related to excused and unexcused absences are located on-line at http://student-rules.tamu.edu/rule07.

Americans with Disabilities Act (ADA)
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, in Cain Hall, Room B118, or call 845-1637. For additional information visit http://disability.tamu.edu.

Academic Integrity

“An Aggie does not lie, cheat, or steal, or tolerate those who do.”

For additional information please visit: http://aggiehonor.tamu.edu
Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
• Submit original form and attach a course syllabus.

Form Instructions
1. Course request type:  
   - Undergraduate [✓]  
   - Graduate [ ]  
   - First Professional (DDS, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name):  
   Department of Biological and Agricultural Engineering
3. Course prefix, number and complete title of course:  
   AGSM 484: Internship
4. Catalog course description (not to exceed 50 words):  
   Practical experience working in a professional agricultural systems management setting.

5. Prerequisite(s):  
   Cross-listed with:  
   Stacked with:  
   Cross-listed courses require the signature of both department heads.

6. Is this a variable credit course?  
   - Yes [✓]  
   - No [ ]  
   If yes, from 0 to 0
7. Is this a repeatable course?  
   - Yes [✓]  
   - No [ ]  
   If yes, this course may be taken 3 times.
   Will this course be repeated within the same semester?  
   - Yes [ ]  
   - No [✓]
8. Will this course be submitted to the Core Curriculum Council?  
   - Yes [✓]  
   - No [ ]  
   How will this course be graded?  
   - Grade [ ]  
   - S/U [✓]  
   - P/F (CLMD) [ ]
9. This course will be:  
   a. required for students enrolled in the following degree programs(s) (e.g., B.A. in history)
   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)
   BS AGSM
10. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.
11. [✓] I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-control-basics-for-distance-education).
12. Prefix | Course # | Title (excluding punctuation)  
   AGSM 484 Internship
   Lect. Lab Other SCH CIP and Fund Code Admin. Unit Acad. Year FICE Code
   0.00 0.00 0.00 1403010006 0433 16 - 17 0 0 3 6 3 2
   Approved recommended by:  
   Stephen W. Searcy  
   Department Head or Program Chair (Type Name & Sign) Date
   Robert Knight  
   Chair, College Review Committee Date
   Kim Dooley  
   Dean of College Date
   Department Head or Program Chair (Type Name & Sign) Date
   if cross-listed course
   Submitted to Coordinating Board by:  
   Associate Director, Curricular Services  
   Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu
Curricular Services – 07/14
Course title and number: AGSM 484: Internship
Term: Summer 2017
Meeting times and location: TBA

Course Description
Practical experience working in a professional agricultural systems management setting

Prerequisites
U3 or U4 classification.

Learning Outcomes
Upon completion of the internship experience students should have the ability to:
1. Manage Diverse personnel groups
2. Use advanced software tools
3. Assemble, implement, and manage technical systems
4. Perform economic analysis on technical systems
5. Utilize effective decision making processes in problem solving

Instructor Information
Name: Mr. Russell McGee
Telephone number: 979-845-3659
Email address: romcgee@tamu.edu
Office hours: By appointment
Office location: SCTS 303F

Textbook and/or Resource Material
None

Grading Policies
The course is evaluated based on submission of a written summary of the internship experience. If the student fails to submit a summary following the internship, then the student receives an Unsatisfactory grade.

Grading Scale:
Satisfactory …turned in a written report addressing at least 70% of the learning outcomes
Unsatisfactory…did not turn in a written report or did not address at least 70% of the LO’s

Attendance Policy
A component of the ethical responsibility of an employee is exhibiting good work habits and respect for the time and effort of others. Prompt completion of the assignment and considerate behavior are thus expected of all students in the course. The University views class attendance as the responsibility of an individual student. Attendance is essential to complete the course successfully. University rules related to excused and unexcused absences are located on-line at http://student-rules.tamu.edu/rule07. Americans with Disabilities Act (ADA)
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, in Cain Hall, Room B118, or call 845-1637. For additional information visit http://disability.tamu.edu.

Academic Integrity

“An Aggie does not lie, cheat, or steal, or tolerate those who do.”

For additional information please visit: http://aggiehonor.tamu.edu
Texas A&M University
Departmental Request for a New Course
Undergraduate \ Graduate \ Professional

Form Instructions
1. Course request type:  \_\_\_\_\_\_\_\_\_ Undergraduate  \_\_\_\_\_\_\_\_ Gradate  \_\_ First Professional (DMD, MD, JD, PharmD, DVM)
2. Request submitted by (Department or Program Name):  Department of Biological and Agricultural Engineering
3. Course prefix, number and complete title of course:  BAEN 284: Internship

4. Catalog course description (not to exceed 50 words):
Practical experience working in a professional biological and agricultural engineering setting;

5. Prerequisite(s): U1 or U2 classification; approval of the instructor

Cross-listed with:  
Stacked with:  
Cross-listed courses require the signature of both department heads.

6. Is this a variable credit course?  \_\_\_\_\_\_\_\_\_ Yes  \_\_\_\_\_\_\_\_\_ No  If yes, from ___ to ___

7. Is this a repeatable course?  \_\_\_\_\_\_\_\_\_ Yes  \_\_\_\_\_\_\_\_\_ No  If yes, this course may be taken ___ times.

8. Will this course be repeated within the same semester?  \_\_\_\_\_\_\_\_\_ Yes  \_\_\_\_\_\_\_\_\_ No

9. Will this course be submitted to the Core Curriculum Council?  \_\_\_\_\_\_\_\_\_ Yes  \_\_\_\_\_\_\_\_\_ No

10. How will this course be graded?  \_\_\_\_\_\_\_\_\_ Grade  \_\_\_\_\_\_\_\_\_ S/U  \_\_\_\_\_\_\_\_\_ P/F (CLMD)

This course will be:

a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)

b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

BS BAEN

11. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

12. \_\_\_\_\_\_\_\_\_ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vip.tamu.edu/resources/export-controlbasics-for-distance-education).

13. Prefix     Course #     Title (excluding punctuation)

<table>
<thead>
<tr>
<th>BAEN</th>
<th>284</th>
<th>Internship</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00</td>
<td>0.00</td>
<td></td>
</tr>
</tbody>
</table>

Approval recommended by:

Stephen W. Seager  9/15
Department Head or Program Chair (Type Name & Sign)

Valerie J. Taylor  9/15
Department Head or Program Chair (Type Name & Sign) (If cross-listed course)

Submitted to Coordinating Board by:

Associate Director, Curricular Services

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services - 07/14
Course title and number: BAEN 284: Internship
Term: Summer 2017
Meeting times and location: TBA

Course Description
Practical experience working in a professional biological and agricultural engineering setting

Prerequisites
U1 or U2 classification.

Learning Outcomes
Upon completion of the internship experience students will have the ability to:

1. Formulate and solve engineering problems.
2. Communicate effectively through a written report of the internship experience.
3. Apply the techniques, skills and engineering tools necessary for solving complex engineering problems.

Instructor Information
Name: Dr. Patricia Smith
Telephone number: 979-845-3630
Email address: patti-smith@tamu.edu
Office hours: By appointment
Office location: SCTS 303 I

Textbook and/or Resource Material
None

Grading Policies
The course is evaluated based on submission of a written summary of the internship experience. If the student fails to submit a summary following the internship, then the student receives an Unsatisfactory grade.

Grading Scale:
Satisfactory … turned in a written report addressing at least 70% of the learning outcomes
 Unsatisfactory … did not turn in a written report or did not address at least 70% of the LO’s

Attendance Policy
A component of the ethical responsibility of an engineer is exhibiting good work habits and respect for the time and effort of others. Prompt completion of the assignment and considerate behavior are thus expected of all students in the course. The University views class attendance as the responsibility of an individual student. Attendance is essential to complete the course successfully. University rules related to excused and unexcused absences are located on-line at http://student-rules.tamu.edu/rule07.
Americans with Disabilities Act (ADA)
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