

**Minutes of the University Curriculum Committee  
December 10, 2010  
101A General Services Complex**

Members present: Robert Knight (Chair), College of Agriculture and Life Sciences; Tim Scott (Vice-Chair), College of Science; Leslie Feigenbaum, College of Architecture; Sarah Bednarz, College of Geosciences; Mike Stephenson, College of Liberal Arts; Liesl Wesson, Mays Business School; Suzanne Shurtz, Medical Sciences Library; Kristin Harper (for Pam Matthews), Undergraduate Studies; James Herman, College of Veterinary Medicine and Biomedical Sciences; Chris Esparza, Student Representative.

Guests: John Hurtado, Department of Aerospace Engineering; April Place, Department of Agricultural Leadership, Education, and Communications; Susan Stabile, American Studies Program; Debbie Carlson, Department of Anthropology; Julie Rogers, Department of Architecture; Nancy Street, Department of Communication; Matt Whiteacre, Department of Engineering Technology and Industrial Distribution; Dale Rice, Journalism Interdisciplinary Minor Program; Nancy Simpson, Mays Business School; Donnalee Dox, Department of Performance Studies; David Toback, Department of Physics and Astronomy; Dudley Poston, Department of Sociology.

The University Curriculum Committee recommends approval of the following:

1. The minutes of the November 12, 2010 meeting.
2. New Courses

**ALED 223. Practicing Diverse Leadership and Cultural Exploration. (3-0). Credit 3.**

Social theories and historical perspectives of leadership, particularly in terms of class, gender, race, ethnicity, and nationality; a multidisciplinary approach to the study of leadership with a special emphasis on culture through experiential learning. Prerequisites: ALED 222 and membership in the Multicultural Services Cultural Leadership, Understanding, and Exploration for Sophomores Learning Community.

**ALED 313. Culture Theory, Orientation and Adaptation. (3-0). Credit 3.** Evaluation of culture theory, elements and manifestations of culture, assessing cultural norms of society or groups, adaptation to a new culture for effective leadership. Prerequisite: Junior or senior classification.

**ALED 401. Advanced Professional Leadership Development. (3-0). Credit 3.** Investigation of the best practices of successful leaders representing various organizational contexts; merging of scholarly mastery of theory with practice. Prerequisites: Selection for ALED Leadership Fellows Program; ALED 340 or ALED 301; junior or senior classification.

**ALED 439. Agricultural Extension Philosophy and the Land-Grant Mission. (3-0). Credit 3.** Philosophy of Cooperative Extension and roles within the land-grant system; history, organization, program areas and guiding principles; relationship with the teaching and research branches of the land-grant system. Prerequisite: Junior or senior classification or approval of instructor.

**ANTH 444. Classical Archaeology. (3-0). Credit 3.** History of the discipline through the individuals, organizations, excavations, theoretical models and ethical issues that have shaped it. Prerequisites: Junior or senior classification; ANTH 353, ANTH 354, CLAS 353 or CLAS 354. Cross-listed with CLAS 444.

**ASIA 325. International Business Behavior. (3-0). Credit 3.** Theoretical models and practical protocols/behavior demands to conduct business and to work in France, Germany, Japan, China, Mexico and other countries; discussion of national character, managerial and negotiating styles. Prerequisite: Junior or senior classification. Cross-listed with SOCI 325.

**ASIA 330. Modern Mediterranean World. (3-0). Credit 3.** Critical examination of Mediterranean history; colonialism, industrialization, and other trans-national phenomena linking Africa, Asia, and Europe; social and political movements, migration, intellectual trends. Prerequisite: Junior or senior classification. Cross-listed with HIST 329.

**ASIA 335. Cultures of Central Asia. (3-0). Credit 3.** Study of anthropological research in Central Asia: ecological adaptations; colonialism and post-colonialism; ethnic politics and ethnic conflict; religion and identity; gender and family; globalization and modernization. Prerequisite: Junior or senior classification. Cross-listed with ANTH 335.

**ASIA 355. Modern China. (3-0). Credit 3.** History of China from the coming of the West to the present; social, economic and political changes which have taken place during that period. Prerequisite: Junior or senior classification. Cross-listed with HIST 355.

**ASIA 358. Chinese Cultural History. (3-0). Credit 3.** Examination of Chinese culture and its evolution over the last 4,000 years; customs, art, literature, festivals, folklore, religion, architecture, medicine, and everyday life. Prerequisite: Junior or senior classification. Cross-listed with HIST 358.

**ASIA 360. Archaeology of the Old World. (3-0). Credit 3.** Overview of archaeology and prehistory of Europe, Africa and Asia from the evolution of the hominids to the development of agriculture and the rise of civilization. Prerequisite: Junior or senior classification. Cross-listed with ANTH 350.

**ASIA 365. Asian Governments and Politics. (3-0). Credit 3.** Contemporary political systems of Asia, political institutions, actors and processes. Prerequisite: Junior or senior classification. Cross-listed with POLS 365.

**ASIA 401. Slavery in World History. (3-0). Credit 3.** Comparative history of human slavery; slavery in the Ancient World, Asia, Africa; varieties of modern slavery in the New World since 1500; abolition of slavery and continuing forms of human bondage in the contemporary world. Prerequisite: Junior or senior classification. Cross-listed with AFST 401 and HIST 401.

**ASTR 119. Big Bang and Black Holes: Laboratory Methods. (0-2). Credit 1.** Hands-on understanding of the concepts surrounding the Big Bang and Black Holes; emphasis on the evidence-based decision making process, methods and presentation; for non-scientists. Companion course for ASTR 109/PHYS 109. Prerequisite: Concurrent registration in ASTR 109/PHYS 109 is recommended. Cross-listed with PHYS 119.

**BIOL 452. Fungal Functional Genomics. (3-4). Credit 4.** Extensive research experience in eukaryotic molecular genetics using the fungus *Neurospora crassa* as the primary model system; analysis of *Neurospora* gene-deletion strain collection to examine the effects of genes on the organism's traits; introduction of molecular techniques for genome manipulation and analysis. Prerequisite: Junior or senior classification in any life science major or approval of instructor.

**CLAS 444. Classical Archaeology. (3-0). Credit 3.** History of the discipline through the individuals, organizations, excavations, theoretical models and ethical issues that have shaped it. Prerequisites: Junior or senior classification; ANTH 353, ANTH 354, CLAS 353 or CLAS 354. Cross-listed with ANTH 444.

**COMM 452. Cultural Studies of Communication Technology. (3-0). Credit 3.** Exploration of theories concerning technology; emphasis on technological culture; examination of the emergence of and societal reactions to technologies during modern era; consideration of utopian/dystopian discourse of technology in popular media narratives; contemplation of technology as constitutive of power and knowledge. Prerequisite: Junior or senior classification.

**COMM 453. Communication and Video Games. (3-0). Credit 3.** Business and industry aspects of video games; cultural and social aspects of gaming. Prerequisite: Junior or senior classification.

**JOUR 215. Interviewing: Principles and Practices. (3-0). Credit 3.** Theory and practice of methods in selected interview settings; emphasis on communication between two persons, questioning techniques, and the logical and psychological bases of interpersonal persuasion. Cross-listed with COMM 215.

**JOUR 230. Communication Technology Skills. (3-0). Credit 3.** Introduction to new technologies, including the Internet, teleconferencing and videoconferencing; addresses communication in web page design, teleconferences and videoconferences, and emerging communication technologies. Cross-listed with COMM 230.

**JOUR 250. New Media and the Independent Voice. (3-0). Credit 3.** Examination of new media as independent voices for cultural and political movements; principles governing the design, presentation, and evaluation of blogs as a persuasive medium in society. Cross-listed with COMM 250.

**JOUR 365. International Communication. (3-0). Credit 3.** Mass media, international, and cross-cultural audiences, theoretical, pragmatic, political and ethical issues; including cultural differences, comparative media systems, development, communication, patterns of world news flow, political propaganda, impact of international advertising and other issues. Prerequisite: Junior or senior classification or approval of instructor. Cross-listed with COMM 365.

**JOUR 450. Political Reporting. (3-0). Credit 3.** Interviewing; reporting; and writing various types of political stories and commentary; exploration of ethical principles and issues in political reporting including role of free press in a democracy. Prerequisite: Junior or senior classification or approval of instructor.

**JOUR 458. Global Media. (3-0). Credit 3.** Study of globalization through media ownership; content, flow, cultural values, political power and technological impact; implications of globalization for local economies and audiences. Prerequisite: Junior or senior classification or approval of instructor. Cross-listed with COMM 458.

**MUSC 328. Japanese Traditional Performing Arts. (3-0). Credit 3.** Study of various genres of Japanese performing arts from the 7<sup>th</sup> century to the present; understanding the genres in their historical and cultural contexts and recognizing shared aesthetic values. Prerequisite: Junior or senior classification or approval of instructor. Cross-listed with THAR 328.

**PHYS 119. Big Bang and Black Holes: Laboratory Methods. (0-2). Credit 1.** Hands-on understanding of the concepts surrounding the Big Bang and Black Holes; emphasis on the evidence-based decision making process, methods and presentation; for non-scientists. Companion course for ASTR 109/PHYS 109. Prerequisite: Concurrent registration in ASTR 109/PHYS 109 is recommended. Cross-listed with ASTR 119.

**SCEN 201. Self-Directed Experiences with Adolescents. (1-3). Credit 1.** Study of adolescents in diverse school and community settings; issues in physical, mental, social and emotional development; issues related to racism, sexism, and cultural diversity; development, presentation, and defense of portfolio required. Attendance at all seminars and scheduled observations required. Prerequisite: Major in mathematics, biology, chemistry or physics, or approval of instructor. Cross-listed with TEFB 201.

**SPAN 452. Hispanic Sociolinguistics. (3-0). Credit 3.** Exploration of language varieties and language use in different social contexts within the Hispanic society; introduction to the theoretical foundations of sociolinguistic variation. Taught in Spanish. Prerequisites: Junior or senior classification; SPAN 352 or approval of instructor.

**THAR 328. Japanese Traditional Performing Arts. (3-0). Credit 3.** Study of various genres of Japanese performing arts from the 7<sup>th</sup> century to the present; understanding the genres in their historical and cultural contexts and recognizing shared aesthetic values. Prerequisite: Junior or senior classification or approval of instructor. Cross-listed with MUSC 328.

**THAR 435. New Technology for Designers. (3-0). Credit 3.** Fundamentals of design software including sound editing, video editing, and rendering for theatre; multi-media installation. Prerequisites: THAR 135, THAR 245, one of the following upper division design courses: THAR 345, THAR 355, or THAR 360; junior or senior classification; or approval of instructor.

**THAR 445. Design as Performance. (3-0). Credit 3.** Design as performance using research methods and the production of new work; disciplines of design, performance, installation and performance as research. Prerequisites: THAR 135, THAR 245, one of the following upper division design courses: THAR 345, THAR 355, or THAR 360; junior or senior classification; or approval of instructor.

**THAR 482. Topics in American Theatre and Performance. (3-0). Credit 3.** Exploration of significant issues in American theatre and performance; emphasis on the aesthetic, social, and cultural issues affecting theatre and performance. May be taken two times for credit. Prerequisites: THAR 102 and THAR 382 or approval of instructor; junior or senior classification.

3. Course Withdrawal

**ANTH 351. Classical Archaeology.**

4. Change in Courses

**ALED 301. Topics in Agricultural Leadership.**

Course title

From: Topics in Agricultural Leadership.  
To: Personal Leadership Education.

Course description

From: Students will gain insights into their personal leadership strengths, styles, motivation and values; plan a course for self-improvement as a leader.  
To: Development, application and reflection of personal leadership capabilities through self-assessments and experiential learning activities; development of leadership identity through personal leadership inventories including strengths, personality type, values, vision and emotional intelligence.

**ALED 340. Professional Leadership Development.**

Course title

From: Professional Leadership Development.  
To: Survey of Leadership Theory.

Course description

From: Identification of styles and roles of leadership; development of leadership techniques and skills required in working with organizations and youth groups; methods of resolving conflict, of communicating, of guiding and of evaluating; ethical consideration for leaders.  
To: Exploration of leadership as a scholarly discipline; critical analysis of and evolution of multiple leadership models and theories; synthesis of leadership theory through experiential learning; integration of course content with personal experiences.

**ALED 426. Methods of Adult Agricultural Education.**

Course title

From: Methods of Adult Agricultural Education.  
To: Leading and Training Adult Learners.

Course description

From: Planning educational programs for adults in agriculture. Developing skills in use of group process teaching.  
To: Planning educational training programs, including leadership programs, to implement with an adult audience; includes needs assessment, instructional design, lesson plan development, evaluation and other items related to leading adults.

Prerequisites

From: Junior or senior classification.  
To: ALED or USAL-LED majors only; ALED 340, junior or senior classification.

**ALED 440. Principles of Technological Change.**

Course title

From: Principles of Technological Change.

To: Leading Change.

Course description

From: Processes by which professional change agents influence the introduction, adoption and diffusion of technological change. Applicable to persons who work closely with people.

To: Analysis of change models and theories and the leadership application on individual, organizational and societal changes.

**AMST 210. American Expressions.**

Course number

From: AMST 210.

To: AMST 311.

Prerequisites

From: AMST 200 or approval of instructor; freshman or sophomore classification.

To: AMST 200, junior or senior classification, or approval of instructor.

**AMST 220. Constructing Identities.**

Course number

From: AMST 220.

To: AMST 321.

Prerequisites

From: AMST 200 or approval of instructor; freshman or sophomore classification.

To: AMST 200, junior or senior classification, or approval of instructor.

**AMST 230. Civic Engagement.**

Course number

From: AMST 230.

To: AMST 331.

Prerequisites

From: AMST 200 or approval of instructor; freshman or sophomore classification.

To: AMST 200, junior or senior classification, or approval of instructor.

**AMST 240. Cultures of Science and Technology.**

Course number

From: AMST 240.

To: AMST 341.

Course title

From: Cultures of Science and Technology.

To: Cultures of Science, Technology, and the Environment.

Course description

From: Examination of the history and theories of science and technology in the United States; interrelated “American” philosophies of exceptionalism, pragmatism, democracy, progress, and technological determinism; scientific theories and technological innovations and their relationship to gender, race, ethnicity, nationalism, and globalization.

To: Examination of the history and theories of science, technology, and the environment in the United States; interrelated “American” philosophies of exceptionalism, pragmatism, democracy, progress, protest, and technological determinism; scientific theories, technological innovations, and environmentalism and their relationship to gender, race, ethnicity, nationalism, and globalization.

Prerequisites

From: AMST 200 or approval of instructor; freshman or sophomore classification.

To: AMST 200, junior or senior classification, or approval of instructor.

**AMST 250. Comparative Border Studies.**

Course number

From: AMST 250.

To: AMST 360.

Prerequisites

From: AMST 200 or approval of instructor; freshman or sophomore classification.

To: AMST 200, junior or senior classification, or approval of instructor.

**AMST 350. Materializing America.**

Prerequisites

From: AMST 300 or approval of instructor; junior or senior classification.

To: AMST 200 or approval of instructor; junior or senior classification.

**ANTH 225. Biological Anthropology.**

Course title

From: Biological Anthropology.

To: Introduction to Biological Anthropology.

Course description

From: Human biology to include examination of evolutionary processes acting on human populations; human genetics; non-human primate anatomy, classification and ecology of primates; the primate paleontological record, and human variation and adaptation.

To: Study of human biology including an examination of evolutionary processes acting on human populations; human genetics; non-human primate anatomy, classification and ecology of primates; the primate paleontological record, and human variation and adaptation.

**ARCH 205. Architecture Design I.**

Lecture and lab hours

From: (2-6). Credit 4.

To: (1-9). Credit 4.

**ARCH 206. Architecture Design II.**

Lecture and lab hours

From: (2-6). Credit 4.

To: (1-9). Credit 4.

**ARCH 207. Architecture Design II.**

Lecture and lab hours

From: (2-6). Credit 4.

To: (1-9). Credit 4.

**ARCH 305. Architectural Design III.**

Lab hours

From: (2-6). Credit 5.

To: (2-9). Credit 5.

**ARCH 405. Architectural Design IV.**

Lab hours

From: (1-6). Credit 4.

To: (1-9). Credit 4.

**ARCH 406. Architecture Design V.**

Lab hours

From: (2-6). Credit 5.

To: (2-9). Credit 5.

**ARCH 407. Integrated Home Architecture Studio.**

Lab hours

From: (2-6). Credit 5.

To: (2-9). Credit 5.



**ARCH 408. Experimental Home Architecture.**

Lab hours

From: (2-6). Credit 5.

To: (2-9). Credit 5.

**ARCH 491. Advanced Architecture Innovation Research.**

Prerequisites:

From: Approval of instructor.

To: Approval of instructor and department head; junior or senior classification.

**BUSN 101. Freshman Business Seminar.**

Course title

From: Freshman Business Seminar.

To: Freshman Business Initiative.

Lecture and semester credit hours

From: (2-0). Credit 2.

To: (3-0). Credit 3.

Course description

From: Freshman orientation to business seminar; introduction to resources and opportunities in Mays Business School; emphasis on career opportunities and development of personal and professional competencies; includes ethics, development of skills in leadership, teamwork, critical thinking and problem solving.

To: Freshman orientation to business and to Mays Business School; introduction to majors within the business school and associated career opportunities; introduction and development of personal and professional competencies, with emphasis on self-leadership, business communication, ethical decision making, and teamwork.

**ENDS 105. Design Foundations I.**

Lab hours

From: (2-4). Credit 4.

To: (2-6). Credit 4.

**ENDS 106. Design Foundations II.**

Lab hours

From: (2-4). Credit 4.

To: (2-6). Credit 4.

**ENGL 353. History of Rhetoric.**

Course description

- From: Introduction to the major approaches to written communication from ancient Greece to the end of the 19<sup>th</sup> century; focus on such authors as Plato, Aristotle, Cicero, St. Augustine, Erasmus, Campbell and Whately.
- To: Exploration of the major approaches to the theory and practice of oral and written rhetoric and discourse up to the end of the 19<sup>th</sup> century.

**ENGL 354. Modern Rhetorical Theory.**

Course description

- From: Introduction to 20<sup>th</sup>-century rhetorical theorists, focusing on such figures as Kenneth Burke, Walter Ong, Chaim Perelman, Michel Foucault and Jacques Derrida; application to text interpretation and criticism.
- To: Study of 20<sup>th</sup> and 21<sup>st</sup> century rhetorical theories and theorists; focus on relationships among rhetoric and culture, such as rhetoric in oral and textual communities, rhetoric as a method of literary interpretation, rhetoric and linguistics, rhetoric as theorized and taught across academic communities.

**ENTC 369. Software Systems Technology.**

Course title

- From: Software Systems Technology.
- To: Embedded Systems Software.

Lab hours

- From: (3-2). Credit 4.
- To: (3-3). Credit 4.

Course description

- From: Technical aspects of digital computer software systems, with emphasis on embedded real-time systems, programming techniques and development methodologies.
- To: A study of the technical aspects of embedded computer software systems, with emphasis on embedded real-time systems, programming techniques and development methodologies.

Prerequisites

- From: ENTC 349; admitted to major degree sequence (upper-level) in engineering technology.
- To: ENTC 349; junior or senior classification. Corequisite: ENTC 350.

**JOUR 490. Journalism as a Profession.**

Course description

- From: Exit-level course for interdisciplinary minor in journalism; requires students to produce publication-quality projects under mentorship of Journalist-in-Residence and faculty; includes seminars in contemporary news media issues and practices.

To: Exit-level course for interdisciplinary minor in Journalism; requires students to produce publication-quality projects; includes seminars in contemporary news media issues and practices.

**MATH 147. Calculus I for Biological Sciences.**

Prerequisite

From: MATH 150 or equivalent.

To: MATH 150 or equivalent or acceptable score on TAMU Math Placement Exam.

**MATH 151. Engineering Mathematics I.**

Course description and prerequisite

From: Rectangular coordinates, vectors, analytic geometry, functions, limits, derivatives of functions, applications, integration, computer algebra (Maple). Prerequisite: MATH 150 or equivalent. Credit will not be given for more than one of MATH 131, 142, 147, 151 and 171.

To: Rectangular coordinates, vectors, analytic geometry, functions, limits, derivatives of functions, applications, integration, computer algebra. MATH 171 designed to be a more demanding version of this course. Prerequisite: MATH 150 or equivalent or acceptable score on TAMU Math Placement Exam. Credit will not be given for more than one of MATH 131, 142, 147, 151 and 171.

**MATH 152. Engineering Mathematics II.**

Course description

From: Differentiation and integration techniques and their applications (area, volumes, work), improper integrals, approximate integration, analytic geometry, vectors, infinite series, power series, Taylor series, computer algebra (Maple).

To: Differentiation and integration techniques and their applications (area, volumes, work), improper integrals, approximate integration, analytic geometry, vectors, infinite series, power series, Taylor series, computer algebra. MATH 172 designed to be a more demanding version of this course.

**MATH 171. Analytic Geometry and Calculus.**

Course description and prerequisite

From: Vectors, functions, limits, derivatives, Mean Value Theorem, applications of derivatives, integrals, Fundamental Theorem of Calculus. Prerequisite: MATH 150 or equivalent. Credit will not be given for more than one of MATH 131, 142, 147, 151 and 171.

To: Vectors, functions, limits, derivatives, Mean Value Theorem, applications of derivatives, integrals, Fundamental Theorem of Calculus. Designed to be more demanding than MATH 151. Prerequisite: MATH 150 or equivalent or acceptable score on TAMU Math Placement Exam. Credit will not be given for more than one of MATH 131, 142, 147, 151 and 171.

**MATH 172. Calculus.**

Course description

- From: Techniques of integration, applications of integrals, improper integrals, sequences, infinite series, vector algebra and solid analytic geometry.
- To: Techniques of integration, applications of integrals, improper integrals, sequences, infinite series, vector algebra and solid analytic geometry. Designed to be more demanding than MATH 152.

**MATH 221. Several Variable Calculus.**

Course description

- From: Vector algebra and solid analytic geometry; calculus of functions of several variables; Lagrange multipliers; multiple integration, theory, methods and application; line and surface integrals, Green's and Stokes' theorems; Jacobians.
- To: Vector algebra and solid analytic geometry; calculus of functions of several variables; Lagrange multipliers; multiple integration, theory, methods and application; line and surface integrals, Green's and Stokes' theorems; Jacobians. Designed to be more demanding than MATH 251 and MATH 253.

**MATH 251. Engineering Mathematics III.**

Course description

- From: Vector algebra, calculus of functions of several variables, partial derivatives, directional derivatives, gradient, multiple integration, line and surface integrals, Green's and Stokes' theorems.
- To: Vector algebra, calculus of functions of several variables, partial derivatives, directional derivatives, gradient, multiple integration, line and surface integrals, Green's and Stokes' theorems. MATH 221 designed to be a more demanding version of this course.

**MATH 253. Engineering Mathematics III.**

Course description

- From: Vector algebra; calculus of functions of several variables, partial derivatives, directional derivatives, gradient, multiple integration, line and surface integrals, Green's and Stokes' theorems, computer algebra.
- To: Vector algebra; calculus of functions of several variables, partial derivatives, directional derivatives, gradient, multiple integration, line and surface integrals, Green's and Stokes' theorems, computer algebra. MATH 221 designed to be a more demanding version of this course.

**MATH 304. Linear Algebra.**

Course description

- From: Introductory course in linear algebra covering abstract ideas of vector space and linear transformation as well as models and applications of these concepts, such as systems of linear equations, matrices and determinants.

- To: Introductory course in linear algebra covering abstract ideas of vector space and linear transformation as well as models and applications of these concepts, such as systems of linear equations, matrices and determinants. MATH 323 designed to be a more demanding version of this course.

**MATH 311. Topics in Applied Mathematics I.**

Course description

- From: Matrices, determinants, systems of linear equations, eigenvalues, eigenvectors, diagonalization of symmetric matrices, special functions; vector analysis, including normal derivative, gradient, divergence, curl, line and surface integrals, Gauss', Green's and Stokes' theorems.
- To: Systems of linear equations, matrices, determinants, vector spaces, linear transformations, eigenvalues and eigenvectors, diagonalization, inner product spaces, orthogonal functions; vector analysis, including gradient, divergence, curl, line and surface integrals, Gauss', Green's and Stokes' theorems.

**MATH 323. Linear Algebra.**

Course description

- From: Linear equations and matrices; real vector spaces, linear transformations, change of bases, determinants, eigenvalues and eigenvectors, diagonalization, inner products.
- To: Linear equations and matrices; real vector spaces, linear transformations, change of bases, determinants, eigenvalues and eigenvectors, diagonalization, inner products. Designed to include more theory and be more demanding than MATH 304.

**MATH 423. Linear Algebra II.**

Course description

- From: Eigenvalues, similarity and canonical forms, applications to differential equations and quadratic forms.
- To: Eigenvalues, similarity and canonical forms, advanced topics to be chosen by the instructor.

**MKTG 447. Advertising Procedures.**

Course title

- From: Advertising Procedures.
- To: Advanced Advertising: Case Competition.

Course description

- From: Advertising procedures for newspapers, magazines, radio and television; retail, mail order, national and industrial advertising; advertising agencies; advertising research.
- To: Development of a fully integrated, multi-million dollar budgeted advertising campaign plan; participation in a national case competition.

Prerequisites

From: MKTG 321; approval of instructor.

To: MKTG 321; approval of instructor; junior or senior classification.

**NUEN 460. Nuclear Plant Systems and Transients.**

Prerequisites

From: NUEN 404 and MEEN 344.

To: NUEN 301, NUEN 302, NUEN 304, NUEN 406, NUEN 430 or equivalents; MEEN 315, MEEN 344, MEEN 461 or equivalents; junior or senior classification.

5. Texas A&M University at Galveston

a. New Course

**MARS 423. Ecological Economics. (3-0). Credit 3.** An integrated study of management of ecology and economics; conceptual and professional economic and environmental policies; ethical concerns and economic benefits of nature to humans, human and nature's economies, and the complex connections between humans and nature with the valuing of ecosystem integrity. Prerequisite: Junior or senior classification.

b. Change in Courses

**NVSC 201. Naval Ship Systems I.**

Course number

From: NVSC 201.

To: NVSC 203.

Course title

From: Naval Ship Systems I.

To: Naval Ships Systems I: Engineering.

Course description

From: Introduction to naval ship systems. Types, structure, and purpose of naval ships; ship propulsion systems; auxiliary power systems; interior communication and damage control; elements of ship design and stability characteristics.

To: Study of engineering concepts and their application in U.S. Naval vessels: basic ship design, hydrodynamic forces, fluid dynamics, stability, propulsion, closed thermodynamic systems, electrical systems, shipboard power generation and distribution, shipboard safety, organization and firefighting.

### **NVSC 302. Naval Operations and Seamanship.**

#### Course description

- From: Duties and responsibilities of the OOD (u/w), navigator/bridge watch team during routine and special at sea evolutions; relative motion, formations tactics, international and inland rules of the nautical road and applied aspects of shiphandling; familiarization with naval communications and messages.
- To: Relative motion, formation tactics, ship maneuvering behavior and characteristics, applied aspects of ship handling, afloat communications and ship employment; naval warfare, operations concepts, command and control, and joint warfare; review and analysis of case studies involving moral, ethical and leadership issues.

### **NVSC 401. Naval Systems.**

#### Course description

- From: Types and purpose of naval ships and aircraft; propulsion systems, damage control, and elements of design and stability characteristics; theory and operational principles of Naval Weapon systems, types of weapons and platforms, capabilities and limitations, and basics of naval ordnance.
- To: Types and purpose of major weapons systems and platforms of the U.S. Naval forces; theory and operational principles of radar, sonar and communication circuits; fire control problem geometry, principles of ballistics, propulsion, launching and guidance of weapons; principles of electronic warfare and nuclear weapons.

### **NVSC 402. Leadership and Ethics.**

#### Course description

- From: Practical applications of leadership and management as an academic discipline; interpersonal behavior and performance evaluation; skills in leadership, control, direction, planning, communication, counseling and discipline developed through guided participation in case studies and situational problems.
- To: Theoretical concepts of Western moral traditions and ethical philosophy; topics include leadership, values, military ethics, Just War Theory, Uniform Code of Military Justice and Naval regulations; examination of the ethical foundation for the development of leadership and communications skills; should be taken the semester of graduation.

6. Change in Curricula

**College of Architecture**

Department of Architecture  
B.E.D. in Environmental Design  
Architectural Studies Option

Department of Landscape Architecture and Urban Planning  
B.L.A. in Landscape Architecture

**Dwight Look College of Engineering**

Department of Aerospace Engineering  
B.S. in Aerospace Engineering

Department of Engineering Technology and Industrial Distribution  
B.S. in Industrial Distribution

**College of Liberal Arts**

American Studies Program  
B.A. in American Studies

International Studies Program  
B.A. in International Studies

Department of Communication  
B.A. in Telecommunication Media Studies

**College of Science**

Department of Chemistry  
B.A. and B.S. in Chemistry

Department of Mathematics  
B.A. and B.S. in Mathematics  
B.S. in Applied Mathematical Sciences

7. Administrative Change

**College of Architecture**

Department of Landscape Architecture and Urban Planning  
B.S. in Urban and Regional Sciences  
Request to change degree name to B.S. in Urban and Regional Planning

8. Special Consideration

**College of Agriculture and Life Sciences**

Department of Animal Science  
Request for a Certificate in Dairy Management

**College of Liberal Arts**

Minor in Religious Studies – requirement changes



**College of Science**

University Studies Degree

Area of Concentration

Mathematics for Business

Mathematics for Pre-Professionals

Mathematics for Teaching

Change in grade requirement

Department of Chemistry

Minor in Chemistry – requirement changes

9. Other Business

- Changes to the Minor in Journalism were considered editorial.
- B. Knight requested members extend invitations to departments interested in attending the March UCC Meeting with Debra Fowler (i.e., curriculum redesign).
- Spring 2011 UCC meeting location at GSC.