

**Minutes of the Undergraduate Curriculum Committee
December 13, 2012
101B/C General Services Complex**

Members present: Tim Scott (Chair), College of Science; Sarah Bednarz (Vice-Chair), College of Geosciences; Robert Knight, College of Agriculture and Life Sciences; Leslie Feigenbaum, College of Architecture; Christine Bergeron, College of Education and Human Development; John Tyler, Dwight Look College of Engineering; Mike Stephenson, College of Liberal Arts; Marty Loudder, Mays Business School; Glenn Jones, Texas A&M University at Galveston; Jim Kracht (for Ann Kenimer), Undergraduate Studies; Daniel Xiao, University Libraries; James Herman, College of Veterinary Medicine and Biomedical Sciences.

Guests: Barry Boyd and Tracy Rutherford, Department of Agricultural Leadership, Education and Communications; Ashlea Schroeder, Department of Biological & Agricultural Engineering; John Criscione, Fidel Fernandez and Kenith Meissner, Department of Biomedical Engineering; Nancy Street, Department of Communication; Le Xie, Department of Electrical Engineering; Wayne Hung, Department of Engineering Technology and Industrial Distribution; Lanny R. Martindale, Department of Finance; Rebecca Schloss, Department of History; Jon Jaspersen, Department of Information & Operations Management; June Martin, Department of Landscape, Architecture, and Urban Planning; Marna Billiter, Robb Jenson and Cable Kurwitz, Department of Nuclear Engineering; Justin Schilke, Office of the Registrar; Jeff Morris, Department of Performance Studies; Peter Valko, Department of Petroleum Engineering; Adrienne Carter-Sowell and Rachel Hull, Department of Psychology.

The Undergraduate Curriculum Committee recommends approval of the following:

1. The minutes of November 9, 2012 meeting.
2. New Courses

ARCH 213. Sustainable Architecture. (3-0). Credit 3. A comprehensive introduction to sustainability concepts, techniques and applications at all levels of the built environment, history of contemporary development of sustainable architecture from 1960 to the present; design strategies, environmental technologies and social factors for reducing building energy needs and carbon foot prints; global applications of sustainable approaches. Prerequisite: Sophomore classification or approval of instructor.

ARCH 328. Architectural Envelopes. (3-0). Credit 3. Study of roof, wall, glazing and screen systems of significant works in contemporary architecture and the strategies behind their making; focus on innovative materials, surface effects, and performance aspects. Prerequisite: Junior or senior classification in environmental design.

ARCH 438. History and Design of Sacred Architecture. (3-0). Credit 3. Exploration of history and design of sacred architecture; review of historic and contemporary houses of worship; global historic trends in sacred architecture in light of the current development in liturgy and design; significance of sacred places to society and culture. Prerequisite: Junior or senior classification or approval of instructor.

BAEN 417. Fundamentals of Nanoscale Biological Engineering. (3-0). Credit 3.

Nanostructures, nanofabrication methods, instrumentation and applications pertinent to Biological, Food and Bioenergy systems; identification and utilization of key tools available for fabricating, manipulating and analysis of nanostructures used in biological engineering applications. Prerequisite: Senior classification in engineering or approval of instructor.

BIOL 295. Research Fundamentals in the Life Sciences. (1-0). Credit 1. First course of four in capstone research program in biology; groundwork for subsequent research-intensive courses; practical understanding of how biological research is accomplished; develop models; synthesize work; glean predictive hypothesis; design critical tests; collect and analyze data; refine or reject hypotheses. Prerequisite: BIOL 213 or concurrent enrollment, or approval instructor.

BIOL 395. Directed Investigation in Bioinformatics. (1-1). Credit 2. Second course of four in capstone research program in biology; conduct individual research projects utilizing bioinformatic tools. Prerequisite: BIOL 213 or approval of instructor.

BIOL 493. Independent Bioinformatics Research. (1-1). Credit 2. Third course of four in capstone research program in biology; continuation of research projects utilizing bioinformatic tools. Prerequisite: BIOL 395 or approval of instructor.

BIOL 495. Biology Capstone: Research Communication in the Life Sciences. (2-0). Credit 2. Culmination of capstone research experience; formalization of research results in written and oral forms; introduction to primary genres or scientific writing; apply principles of rhetoric and composition to diverse methods of professional communication. Prerequisite: BIOL 452, BICH 464, BIOL 400, BIOL 493 or BIOL 491 or approval of instructor.

BMEN 350. Statistics for Biomedical Engineering. (3-0). Credit 3. Evaluation of the efficacy of clinical research; quantitative methods used in clinical trials in biomedical engineering; ethical and regulatory issues that must be considered during the design and implementation of any clinical trial, or pre-clinical study. Prerequisites: Junior classification; admitted to the major degree sequence (upper level).

ECEN 415. Physical and Economical Operations of Sustainable Energy Systems. (3-0). Credit 3. Operational issues for sustainable electric energy systems; basic relevant topics in engineering, optimization and economic concepts; modular view of individual electric energy processing components; physical and market operations in electricity industry in support of sustainable energy integration; computer simulations and demonstrations to create and evaluate examples of power systems. Prerequisite: ECEN 214, ECEN 420, ECEN 460 or approval of instructor.

ECEN 424. Fundamentals of Networking. (3-0). Credit 3. Foundations of computer networking; layered architecture of the Internet, analysis of protocols, new-age networks such as the Web and social networks; computer network programming and offline analysis of real network data. Prerequisite: ECEN 303 or STAT 211.

ENGR 181. Engineering Honors Seminar I. (1-0). Credit 1. Survey of interdisciplinary topics related to the professional practice of engineering; seminars with practicing professionals in industry and government. Must be taken on a satisfactory/unsatisfactory basis. Prerequisites: Certificate in engineering honors membership; freshman or sophomore classification.

ENTC 418. Medical Manufacturing. (2-3). Credit 3. Surveys relevant regulations, biocompatibility of engineering materials, and emphasizes suitable techniques for medical device manufacturing. Prerequisites: ENTC 181, junior or senior level classification or approval of instructor.

FILM 402. Intermedia Performance. (3-0). Credit 3. Study of theory, history, literature and techniques of intermedia composition and design for film, theatre, dance, interactive media, and other forms of performance; examination of the collaborative creative process; projects in interdisciplinary performance. Prerequisites: Junior or senior classification and MUSC 316, PERF 202, or approval of instructor. Cross-listed with MUSC 402 and PERF 402.

FINC 210. Opportunities in Finance I. (1-0). Credit 1. Introduction to major career paths in finance and assessment of students' aptitudes and interests with respect to these career paths. Prerequisite: Freshman or sophomore classification in Mays Business School.

FINC 211. Opportunities in Finance II. (1-0). Credit 1. Exploration of specific career competencies in various financial workplaces via lectures, practitioner presentations, and field experiences. Prerequisites: FINC 210 and approval of instructor.

FINC 443. Valuation. (3-0). Credit 3. Theory and application of various approaches to corporate valuation; measuring and managing the value of companies; principles of value creation; fundamental valuation methodology; application of value creation principles to managerial problems; special cases and complex valuation issues. Prerequisites: FINC 421 and FINC 434.

HIST 302. Women and War in the African Diaspora. (3-0). Credit 3. Case studies of women and war in the African diaspora in a wide historical and comparative context; social, economic, and cultural influence of war on women's lives; women as victims, combatants, and refugees; historical construction of race, ethnic and gender identity during times of conflict. Prerequisite: Junior or senior classification.

JOUR 451. Arts & Entertainment Journalism. (3-0). Credit 3. Journalistic coverage of arts and entertainment issues and events; examination of reviews and feature stories; feature writing and criticism; extensive workshop experience; emphasis on the value of research, self-editing and revision. Prerequisite: Junior or senior classification or approval of instructor.

MUSC 202. Introduction to Tonal Harmony. (3-0). Credit 3. Fundamentals of tonal harmony; musicianship skills including sight-singing, ear training, dictation, rhythm reading, rudimentary keyboard skills; structural principles of diatonic harmony including voice leading and part writing; cadences, phrases and periods; basic harmonic progressions; analysis of forms. Prerequisites: Music minor, MUSC 102, placement exam or approval of instructor.

NUEN 432. Nuclear Power Plant Fundamentals. (3-0). Credit 3. Understanding the operation of a nuclear electric general station; includes reactor water chemistry, material science, electrical science; mechanical science, civil engineering for nuclear power plant engineers, and digital process control systems. Prerequisite: Junior or senior classification in the college of engineering; non-NUEN majors.

NUEN 433. Nuclear Power Plant Systems – Pressurized Water Reactor. (3-0). Credit 3. Principal elements of pressurized water reactor nuclear power systems; overview of reactor physics, thermodynamics, and heat transfer; focus on systems with both function and interfaces stressed throughout; includes basic reactor physics, reactor heat generation, reactor plant systems; support systems, and reactor safety. Prerequisites: NUEN 431 and junior or senior classification in the college of engineering; non-NUEN majors.

NUEN 434. Nuclear Power Plant Systems – Boiling Water Reactor. (3-0). Credit 3. Principal elements of boiling water reactor nuclear power systems; overview of reactor physics, thermodynamics, and heat transfer; focus on systems with both function and interfaces stressed throughout; includes basic reactor physics, reactor heat generation, reactor plant systems, support systems, and reactor safety. Prerequisites: NUEN 431 and junior or senior classification in the college of engineering; non-NUEN majors.

NUEN 435. Nuclear Power Plant Operations. (3-3). Credit 4. Overview of mass, momentum and energy conservation as it relates to nuclear power plants; includes coupled neutronic/thermal models to study plant operations semi-quantitatively achieving an integrated plant understanding. Prerequisites: NUEN 431, and NUEN 432 or NUEN 433; junior or senior classification in the college of engineering, non-NUEN majors.

NUEN 436. Human Performance for Nuclear Power Plant Engineers. (2-0). Credit 2. Six modules: human performance fundamentals, the organization and the processes, the individual worker, the engineer, corrective action programs and root cause analysis, and case studies including TMI-2, Chernobyl, Davis-Besse, and Fukushima Daiichi. Prerequisites: NUEN 432; junior or senior classification in the college of engineering.

PERF 202. Introduction to Performance Technology. (3-1). Credit 3. Basic hardware, software, and aesthetic concepts of technology-based artistic performance; basic electricity, electronics, troubleshooting, audio and video design software, study of significant works, and participation in a departmental production.

PERF 318. Electronic Composition. (3-0). Credit 3. Project-based study of techniques for creating electronic and mixed-media performance; critical analysis of important electronic and interactive works; interactive media programming techniques for sound and video synthesis, sampling, digital signal processing. Prerequisites: Junior or senior classification and MUSC 316, PERF 202, or approval of instructor. Cross-listed with MUSC 318.

PERF 402. Intermedia Performance. (3-0). Credit 3. Study of theory, history, literature and techniques of intermedia composition and design for film, theatre, dance, interactive media, and other forms of performance; examination of the collaborative creative process; projects in interdisciplinary performance. Prerequisites: Junior or senior classification and MUSC 316, PERF 202, or approval of instructor. Cross-listed with FILM 402 and MUSC 402.

PERF 483. Performance Practicum. Credit 1 to 3. Faculty-supervised performance experience in a public setting as part of a department production or an approved external production. May be taken four times for credit. Prerequisite: Junior or senior classification and approval of instructor.

PSYC 210. Psychological Aspects of Human Sexuality. (3-0). Credit 3. 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. Prerequisite: PSYC 107.

SCMT 300. Business Communications I. (1-0). Credit 1. Proper techniques for writing major-specific business communications; progress report, memorandum, letter, executive summary; verbal communications via phone call and person-to-person communications; critiques of personal and peer writing. Prerequisites: Junior or senior classification; SCMT majors only. Cross-listed with ISYS 300.

SCMT 400. Business Communication II. (1-0). Credit 1. Development of critical interpersonal and oral communication skills; strategies for positive team development; conflict resolution; oral presentations and information elicitation; production of effective visual aids. Prerequisites: Junior or senior classification; SCMT majors only. Cross-listed with ISYS 400.

SCMT 484. Supply Chain Management Internship. Credit 1 to 4. A directed internship in an organization to provide students with a learning experience supervised by professionals in organizational settings appropriate to the student's professional objectives. Must be taken on a satisfactory/unsatisfactory basis. Prerequisite: SCMT major and approval of academic advisor and instructor.

SPAN 307. Spanish for the Sciences. (3-0). Credit 3. Development of written and oral scientific communication in Spanish, including listening, speaking, reading and writing, with a focus on general and specialized scientific discourse; field-specific vocabulary and review of structures necessary for academic registers. Prerequisites: SPAN 202, SPAN 203, or equivalent.

URPN 200. Introduction to Landscape Architectural Practice. (1-0). Credit 1. 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-listed with LAND 200.

VMID 940. Houston SPCA: Alliance for Animal Welfare and Shelter Medicine. (0-35). Credit 2. Clinical rotation at the Houston-SPCA, emphasizing the veterinarian's role in all aspects of animal evaluation and care, and the treatment of rescue and shelter animals; emphasis on diseases, disorders, injuries, and treatment needs of diverse species, and exposure to emergency response and high volume animal rescue operations. Prerequisite: Enrollment in the fourth year of the professional curriculum.

VTPP 452. Fetal and Embryo Physiology. (3-0). Credit 3. Introduction to the physiologic processes driving embryonic development and pregnancy; focus on embryo implantation, establishment of the placenta, development of the fetal circulatory systems and the molecular processes governing embryo differentiation and development; special emphasis on the major organ systems affected by pediatric disease and on the actions of teratogens. Prerequisite: BICH 410 or equivalent, or approval of instructor.

3. Withdrawal of Courses

ARCH 248. Writing in Architectural History.

4. Change in Courses

ARCH 206. Architecture Design II.

Lecture and semester credit hours

From: (1-9). Credit 4.

To: (2-9). Credit 5.

ARCH 207. Architecture Design II.

Lecture and semester credit hours

From: (1-9). Credit 4.

To: (2-9). Credit 5.

ARCH 216. Computational Methods in Architecture.

Course description

From: Software and processes for computation design in architecture; image editing and creation, vector drawing, 3D modeling, parametric modeling, rendering techniques and simulation. May be taken two times for credit.

To: Software and processes for computation design in architecture; image editing and creation, vector drawing, 3D modeling, parametric modeling, rendering techniques and simulation.

ARCH 405. Architectural Design IV.

Lecture and semester credit hours

From: (1-9). Credit 4.

To: (2-9). Credit 5.

ARCH 406. Architecture Design V.

Course prerequisites

From: Junior or senior classification; admission to upper level in environmental design; ARCH 305, ARCH 331, ARCH 335 and ARCH 405; CARC 301 or ENDS 494.

To: Junior or senior classification; admission to upper level in environmental design; ARCH 305, ARCH 331 and ARCH 335; CARC 301 or ENDS 494; students may with approval of the department enroll in the course during the summer term prior to taking ARCH 405, ARCH 431 and ARCH 435 if they are within 20 credit hours of graduation prior to the beginning of the following fall semester.

Lecture hours

From: (1-9). Credit 5.

To: (2-9). Credit 5.

ECEN 351. Applied Electromagnetic Theory.

Course description

From: Guided waves; applications of Maxwell's equations and electromagnetic wave phenomena to radiation, antenna design and optics; numerical techniques in electromagnetics.

To: Guided wave and wireless methods; applications of Maxwell's equations and electromagnetic wave phenomena to radiation, antennas and microwave circuit design; digital transmission line analysis and design.

Course number

From: ECEN 351.

To: ECEN 445.

ECEN 440. Introduction to Thin Film Science and Technology.

Lab hours

From: (3-0). Credit 3.

To: (3-1). Credit 3.

ECEN 444. Digital Signal Processing.

Lab and semester credit hours

From: (3-0). Credit 3.

To: (3-3). Credit 4

ENDS 105. Design Foundations I.

Lecture hours

From: (2-6). Credit 4.

To: (1-6). Credit 4.

ENDS 106. Design Foundations II.

Lecture hours

From: (2-6). Credit 4.

To: (1-6). Credit 4.

ENDS 481. Seminar.

Course description

From: Presentations by and discussions with professionals representing specialty areas related to environmental design; career and academic objectives. May be repeated for up to 4 credit hours.

To: Presentations by and discussions with professionals representing specialty areas related to environmental design; career and academic objectives. May be repeated for up to 4 credit hours. Must be taken on a satisfactory/unsatisfactory basis.

Course prerequisites

From: Junior or senior classification.

To: Junior or senior classification or approval of instructor.

ENDS 494. Internship.

Course description

From: Practical experience in an office of design allied professionals; 18-week internship with a minimum of 720 hours continuous employment; departmental pre-approval through the departmental internship coordinator required; post approval evaluation conducted following the internship. May not be repeated for credit.

To: Practical experience in an office of design allied professionals; fifteen week internship with a minimum of 600 hours continuous employment; departmental pre-approval through the departmental internship coordinator required; post evaluation conducted following the internship. May not be repeated for credit.

Course prerequisites

From: Admission to upper level in environmental design; approval of the environmental design internship coordinator.

To: Junior or senior classification; admission to upper level in environmental design; CARC 481; approval of the environmental design internship coordinator.

Lecture, lab and semester credit hours

From: (6-0). Credit 6.

To: (0-18). Credit 9.

ENGR. 281. Engineering Scholars Program Seminar I.

Course title

From: Engineering Scholars Program Seminar I.

To: Engineering Honors Seminar II.

Course description

From: Survey of interdisciplinary topics related to the professional practice of engineering; seminars with practicing professionals in industry and government. To be taken on a satisfactory/unsatisfactory basis.

To: Introduction to research and development in both university and industry settings. Must be taken on a satisfactory/unsatisfactory basis.

Course prerequisites

From: Engineering Scholars Program membership; sophomore classification.

To: Certificate in engineering honors membership; ENGR 181.

HIST 376. Biographical Approach to Science Literacy.

Course title

From: Biographical Approach to Science Literacy.

To: Great Scientists in History.

INFO 484. Information and Operations Management Internship.

Course prefix

From: INFO 484.
To: ISYS 484.

Course title

From: Information and Operations Management Internship.
To: Management Information Systems Internship.

Course prerequisites

From: Information and Operations Management major and approval of department head.
To: Management Information Systems major and approval of academic advisor and instructor.

INFO 485. Directed Studies.

Course prefix

From: INFO 485.
To: ISYS 485.

Course description

From: Directed study of selected problems in an area of information and operations management not covered in other courses.
To: Directed study of selected problems in an area of management information systems not covered in other courses.

Course prerequisites

From: Admission to upper division in Mays Business School and approval of department head.
To: Admission to upper division in Mays Business School and approval of academic advisor and instructor.

INFO 489. Special Topics in...

Course prefix

From: INFO 489.
To: ISYS 489.

Course description

From: Selected topic in an identified field of information systems or supply chain management.
To: Selected topic in an identified field of management information systems.

Course prerequisites

From: Admission to upper division in Mays Business School and approval of instructor.

To: Admission to upper division in Mays Business School and approval of academic advisor and instructor.

KINE 304. Psychology of Sport.

Course prefix

From: KINE 304.

To: SPMT 304.

KINE 319. Sociology of Sport.

Course prefix

From: KINE 319.

To: SPMT 319.

MATH 221. Several Variable Calculus.

Course prerequisites

From: MATH 172 or approval of instructor. Credit will not be given for more than one of MATH 221, MATH 251 and MATH 253.

To: MATH 148, MATH 152, or MATH 172. Credit will not be given for more than one of MATH 221, MATH 251 and MATH 253.

MATH 251. Engineering Mathematics III.

Course prerequisites

From: MATH 152 or equivalent. Credit will not be given for more than one of MATH 221, MATH 251 and MATH 253.

To: MATH 148, MATH 152, or MATH 172. Credit will not be given for more than one of MATH 221, MATH 251 and MATH 253.

MATH 253. Engineering Mathematics III.

Course prerequisites

From: MATH 152 or equivalent. Credit will not be given for more than one of MATH 221, MATH 251 and MATH 253.

To: MATH 148, MATH 152, or MATH 172. Credit will not be given for more than one of MATH 221, MATH 251 and MATH 253.

MATH 302. Discrete Mathematics.

Course prerequisites

From: MATH 152 or equivalent.

To: MATH 148, MATH 152, or MATH 172.

MATH 304. Linear Algebra.

Course prerequisites

From: MATH 152; junior or senior classification. Credit will not be given for more than one of MATH 304, MATH 309, MATH 311 and MATH 323.

To: MATH 148, MATH 152, or MATH 172; junior or senior classification. Credit will not be given for more than one of MATH 304, MATH 309, MATH 311 and MATH 323.

MATH 308. Differential Equations.

Course prerequisites

From: MATH 251 or equivalent; knowledge of computer algebra system.

To: MATH 221, MATH 251, or MATH 253; knowledge of computer algebra system.

MATH 407. Complex Variables.

Course prerequisites

From: MATH 221 or equivalent.

To: MATH 221, MATH 251, or MATH 253.

MATH 409. Advanced Calculus I.

Course prerequisites

From: MATH 220 and MATH 221.

To: MATH 220; MATH 221, MATH 251 or MATH 253.

MATH 410. Advanced Calculus II.

Course prerequisites

From: MATH 323 and MATH 409.

To: MATH 304 or MATH 323; MATH 409.

MATH 411. Mathematical Probability.

Course prerequisites

From: MATH 221 or equivalent.

To: MATH 148, MATH 152, or MATH 172.

MATH 414. Fourier Series and Wavelets.

Course prerequisites

From: MATH 304, MATH 311 or MATH 323.

To: MATH 304, MATH 309, MATH 311, or MATH 323.

MATH 415. Modern Algebra I.

Course prerequisites

From: MATH 220 and MATH 323; junior or senior classification.

To: MATH 220; MATH 304 or MATH 323.

MATH 427. Introduction to Number Theory.

Course prerequisites

From: MATH 220 and MATH 323; junior or senior classification or approval of instructor.

To: MATH 220; MATH 304 or MATH 323.

MATH 436. Introduction to Topology.

Course prerequisites

From: MATH 220 and MATH 221 or approval of instructor.

To: MATH 220; MATH 221, MATH 251, or MATH 253.

MATH 439. Differential Geometry of Curves and Surfaces.

Course prerequisites

From: MATH 308 and MATH 323 or approval of instructor.

To: MATH 308; MATH 304 or MATH 323.

MATH 442. Mathematical Modeling.

Course prerequisites

From: MATH 304 and MATH 308 or equivalents.

To: MATH 304 or MATH 323; MATH 308 or equivalent.

MATH 469. Introduction to Mathematical Biology.

Course prerequisites

From: MATH 304, MATH 308 or equivalent.

To: MATH 304 or MATH 323; MATH 308 or equivalent.

MATH 470. Communications and Cryptography.

Course prerequisites

From: MATH 304 or MATH 323 and CSCE 110 and approval of instructor.

To: MATH 304 or MATH 323; CSCE 110, CSCE 111, CSCE 121, or CSCE 206; approval of instructor.

MUSC 316. Music and Technology.

Course description

From: The study of music produced with the aid of electronic and computer technologies; critical listening and analysis of music literature; understanding of technical concepts; required laboratory provides creative practical experience in studio and live performance applications of sound synthesis, digital sampling, signal processing, MIDI sequencing, hard disk recording and multimedia.

To: Study of music produced with the aid of electronic and computer technologies; critical listening and analysis of music literature; understanding of technical concepts; required laboratory provides creative practical experience in studio and live performance applications.

Course prerequisites

From: MUSC 206 or approval of instructor.

To: Junior or senior classification and MUSC 206, PERF 202, or approval of instructor.

MUSC 318. Electronic Composition.

Course description

From: Project-based study of techniques for writing electronic and mixed media music; critical analysis of important electroacoustic works; software and hardware based sound synthesis, sampling, digital signal processing, MIDI sequencing and interactive music programming techniques.

To: Project-based study of techniques for creating electronic and mixed-media performance; critical analysis of important electronic and interactive works; interactive media programming techniques for sound and video synthesis, sampling, digital signal processing.

Course prerequisites

From: MUSC 316 or approval of instructor.

To: Junior or senior classification and MUSC 316, PERF 202, or approval of instructor.

Cross listing

From: None.

To: Cross-listed with PERF 318.

MUSC 402. Music and Sound for Media.

Course title

From: Music and Sound for Media.

To: Intermedia Performance.

Course description

From: Study of theory, history literature and techniques of music composition and sound design for film, theatre, dance and interactive media; examination of the collaborative creative process; projects in sound design and composition.

To: Study of theory, history, literature and techniques of intermedia composition and design for film, theatre, dance, interactive media, and other forms of performance; examination of the collaborative creative process; projects in interdisciplinary performance.

Course prerequisites

From: MUSC 317 and MUSC 318 or approval of instructor.

To: Junior or senior classification and MUSC 316, PERF 202, or approval of instructor.

Cross listing

From: None.

To: Cross-listed with FILM 402 and PERF 402.

NUTR 404. Nutrition Assessment and Planning.

Course prerequisites

From: NUTR 203; junior classification or approval of department head.

To: NUTR 203; NUTR 301; junior classification or approval of department head.

NUTR 470. Nutrition and Physiological Chemistry.

Course prerequisites

From: NUTR 203; BICH 410.

To: NUTR 203; NUTR 301; BICH 410; senior classification or approval of department head.

NUTR 481. Undergraduate Nutrition Seminar.

Course prerequisites

From: Senior classification in nutritional sciences.

To: NUTR 203; NUTR 301; senior classification or approval of department head.

PETE 301. Petroleum Engineering Numerical Methods.

Course prerequisites

From: PETE 225, PETE 311; MATH 308, junior or senior classification, petroleum engineering majors only; or approval of instructor.

To: MATH 308, junior or senior classification, petroleum engineering majors only; or approval of instructor.

PETE 310. Reservoir Fluids.

Course prerequisites

From: PETE 311; CHEM 107; MEEN 315; MATH 308, junior or senior classification, petroleum engineering majors only; or approval of instructor.

To: PETE 311; CHEM 107; MEEN 315; MATH 308 or registration therein, junior or senior classification, petroleum engineering majors only; or approval of instructor.

PETE 311. Reservoir Petrophysics.

Course prerequisites

From: MEEN 221; GEOL 104; MATH 308 or registration therein, junior or senior classification, petroleum engineering majors only; or approval of instructor.

To: MATH 251; PHYS 218; GEOL 104 or registration therein, junior or senior classification, petroleum engineering majors only; or approval of instructor.

PETE 314. Transport Processes in Petroleum Production.

Course prerequisites

From: PETE 311, CVEN 305, MEEN 315, MATH 308.

To: MEEN 315, junior or senior classification, petroleum engineering majors only; or approval of instructor.

PHYS 208. Electricity and Optics.

Course description

From: Electricity, magnetism, and introduction to optics. Primarily for engineering students.

To: Electricity, magnetism, and introduction to optics. Primarily for students in science and engineering.

PHYS 222. Modern Physics for Engineers.

Course prerequisites

From: PHYS 208; MATH 308 or registration therein.

To: PHYS 208 or PHYS 219; MATH 308 or registration therein.

PHYS 331. Theoretical Methods for Physicists I.

Course prerequisites

From: MATH 221 or MATH 251 or MATH 253 and MATH 308; PHYS 208, PHYS 218, and PHYS 221; restricted to physics majors and minors.

To: MATH 221 or MATH 251 or MATH 253; MATH 308; PHYS 208 or PHYS 219, PHYS 218, and PHYS 221; restricted to physics majors.

PHYS 332. Theoretical Methods for Physicists II.

Course prerequisites

From: PHYS 222 or PHYS 309, and PHYS 331; restricted to physics majors and minors.

To: PHYS 222 or PHYS 309; PHYS 331; restricted to physics majors.

PHYS 401. Computational Physics.

Lecture and lab hours

From: (3-0). Credit 3.

To: (2-2). Credit 3.

POLS 491. Research.

Course description

From: Research conducted under the direction of faculty member in political science.

To: Research conducted under the direction of a faculty member in political science. May be taken up to three times for credit.

Course prerequisites

From: Concurrent enrollment or completion of POLS 481 and senior classification, or approval of department head.

To: Junior or senior classification and approval of instructor.

Fixed to variable credit

From: Credit 1.

To: Credit 1 to 6.

RPTS 311. Recreation and Tourism Programs.

Course title

From: Recreation and Tourism Programs.

To: Planning and Implementation of Events and Programs.

Course description

From: Program planning, operations, administration and evaluation; includes development of special events; service quality, hospitality training and participant satisfaction.

To: Planning, operations, administration and evaluation; includes creation and implementation of programs and special events with budgeting, operational and venue logistics, marketing, fund raising, hospitality training and participant satisfaction.

Course prerequisites

From: RPTS 201 or RPTS 202.

To: Junior or senior classification.

RPTS 320. Festivals, Fairs and Events.

Course title

From: Festivals, Fairs and Events.

To: Event Management and Operations I.

Course description

From: Principles and applications for effective planning and management of festivals and other special events; planning, promotion, operational logistics, sponsorship and evaluation.

To: Principles and applications for effective planning and management of events; planning, promotion, operational logistics, sponsorship and evaluation.

RPTS 321. Festivals, Fairs and Event Management II.

Course title

From: Festivals, Fairs and Event Management II.

To: Event Management and Operations II.

Course description

- From: Advanced principles and applications of festival, fair and event management, including preparation of business and emergency management plans as well as knowledge relating to contracting, fund raising, health and safety codes, site logistics, sponsorships and vendor management.
- To: Advanced principles and applications of event management, including practical knowledge relating to contracting, media, fund raising, compliance and oversight, risk management, site logistics, sponsorships and vendor management.

URPN 301. Urban and Regional Planning.

Course prerequisites

- From: URPN majors only.
- To: Junior or senior classification, or approval of instructor.

VIST 484. Summer Internship.

Course description

- From: Practical experience in an office of design allied professionals; 12-week internship with a minimum of 480 hours; continuous employment; departmental pre-approval through the department internship coordinator required; post approval evaluation conducted following the internship.
- To: Practical experience in a visualization related company; 10-week internship with a minimum of 400 hours continuous employment; departmental pre-approval through the departmental internship coordinator required; post evaluation conducted following the internship. May not be repeated for credit.

VIST 494. Internship.

Course description

- From: Practical experience in an office of design allied professionals; 18-week internship with a minimum of 720 hours; continuous employment; departmental pre-approval through the department internship coordinator required; post approval evaluation conducted following the internship. May not be repeated for credit.
- To: Practical experience in a visualization related company; 15-week internship with a minimum of 600 hours continuous employment; departmental pre-approval through the departmental internship coordinator required; post evaluation conducted following the internship. May not be repeated for credit.

Mays Business School

Department of Information and Operations Management

Course prefix change from INFO to ISYS (see memorandum from Dr. Richard Metters)
INFO 209, 210, 250, 300, 306, 322, 328, 330, 350, 374, 400, 420, 422, 439, 446,
and 477

Course prefix change from INFO to SCMT (see memorandum from Dr. Richard Metters)
INFO 303, 305, 309, 335, 336, 340, 345, 361, 364, 464, 465, and 468

5. Change in Curriculum

College of Agriculture and Life Sciences

Department of Nutrition and Food Science

B.S. in Food Science and Technology
Food Science Option

B.S. in Food Science and Technology
Industry Option

College of Architecture

Department of Architecture

B.E.D. in Environmental Design
Architectural Studies Option

Department of Landscape Architecture and Urban Planning
B.S. in Urban and Regional Planning

Dwight Look College of Engineering

Certificate in Engineering Honors – requirement changes

Department of Engineering Technology and Industrial Distribution

B.S. in Engineering Technology
Manufacturing and Mechanical Engineering Technology Option

Department of Mechanical Engineering

B.S. in Mechanical Engineering

College of Liberal Arts

Department of Communication

B.A. in Communication

B.A. in Telecommunication Media Studies

B.S. in Telecommunication Media Studies

Department of Performance Studies

Minor in Music – requirement changes

Department of Political Science

B.A. in Political Science and Master of Public Service Administration (3+2 Program)

B.S. in Political Science and Master of Public Service Administration (3+2 Program)

College of Science

Department of Biology

B.A. in Biology

B.S. in Biology

Department of Physics
B.A. in Physics
B.S. in Physics

College of Veterinary Medicine and Biomedical Sciences
D.V.M. Professional Program in Veterinary Medicine

6. Special Consideration

College of Agriculture and Life Sciences
Department of Agricultural Leadership, Education, and Communications

College of Liberal Arts
Minor in Leadership
Request for a new minor

College of Architecture
Department of Architecture
Minor in Sustainable Architecture & Planning
Request for a new minor

Dwight Look College of Engineering
Department of Biomedical Engineering
Certificate in Quality Engineering for Regulated Medical Technologies
Request for a new certificate program

College of Liberal Arts
Department of Performance Studies
Minor in Performance Technology
Request for a new minor

7. Texas A&M University at Qatar

a. New Courses

ECEN 210. Computer Programming and Algorithms. (3-1). Credit 3. Introduction to C language and common algorithms; computer systems; simple C programs; basic language constructs; file I/O; modular programming and functions; arrays and matrices; pointers and strings; simple data structures; searching, sorting, and numerical algorithms; algorithmic complexity. Prerequisite: Sophomore classification in an engineering major.

ECEN 479. Wireless Communication Laboratory. (0-3). Credit 1. Application of theoretical concepts learned in ECEN 478; includes weekly experiments using NI PXI and Matlab. Prerequisites: ECEN 478 or registration therein; junior or senior classification.

8. Tabled Items

- New Course
 - URPN 300 – The course was tabled at the request of the department.

9. Other Business

- SOP's – Teach-out plan for minors is still pending the outcome of the minor taskforce.
- D's in Minor Taskforce – The taskforce is still convening. B.Knight requested a process for changing all minors in a college be handled via one single memo.
- Core Curriculum – Forms are now posted on the Curricular Services website. Timeline for approvals was announced. Questions were raised regarding ICD requirement and prerequisites for existing core.
- Learning Outcomes versus Objectives – Committee would like to arrive at learning outcomes in as much as possible. Extended invitation to CTE for someone to serve on UCC in an ex-officio capacity to assist with learning outcomes. Chair to get more clarification on the outcomes versus objectives requirement.
- Comments on agenda items are due 72 hours before the scheduled meeting as indicated on the SOP. Some feedback was received late for this meeting and those concerns should be handled directly with degree audit as items were approved as passed on the consent agenda.