

Members present: Tim Scott (Chair), College of Science; James Herman (Vice Chair), College of Veterinary Medicine and Biomedical Sciences; Bob Knight, College of Agriculture and Life Sciences; Jon Jaspersen, Mays Business School; Chris Houser, College of Geosciences; Christine Bergeron, College of Education and Human Development; Steve Oberhelman, College of Liberal Arts; Cathy Hansen, School of Nursing; Jennifer Ross, School of Public Health; Suzanne Shurtz (for Stephanie Graves), Texas A&M University Libraries; Jim Kracht (for Ann Kenimer), Undergraduate Studies; John Louis Bolch, Office of the Registrar.

Guests: Donna Adcock, Department of Agricultural Economics; Kris Morley, Mays Business School; Whitney Korthauer, Department of Engineering Technology and Industrial Distribution; Jules Henry, Miladin Radovic, Sheri Stebenne, Department of Materials Science and Engineering; Priscilla McLeroy, Department of Petroleum Engineering; Leasley Gleason, Department of Poultry Science; Ann Alexander, Department of Recreation, Park and Tourism Sciences; Jake Williams, Office of the Registrar; Faegen Lee, Department of Wildlife and Fisheries Sciences.

The Undergraduate Curriculum Committee recommends approval of the following:

1. The minutes of the November 14, 2014 meeting.
2. New Courses

**CVEN 450. AutoCAD in Civil Engineering. (0-3). Credit 1.** Review and application of basic commands and operations in AutoCAD; overview of civil engineering design projects and land surveying; use of AutoCAD Civil 3D or proprietary packages for reduction of land surveying data. Prerequisites: CVEN 250 or ENDG 105. Restriction: Junior or senior classification.

**ECEN 467. Harnessing Solar Energy: Optics, Photovoltaics and Thermal Systems. (3-3). Credit 4.** Solar radiation characteristics and measurement; optical coatings including reflection, transmission, absorption and emissivity; concentrating optics, tracking and etendue limit; photovoltaic cells, modules and systems overview; introduction to solar thermal systems. Prerequisite: Grade of C or better in ECEN 322 and ECEN 370. Restriction: Junior or senior classification.

**ESSM 310. Forest Tree Improvement and Regeneration. (3-0). Credit 3.** Genetic improvement or manipulation of forest trees through breeding or transformation; regeneration of forests including reproduction, nursery production, stand establishment, natural regeneration and problems affecting regeneration. Prerequisite: BIOL 101, BIOL 113 or equivalent. Restriction: Junior or senior classification.

**ESSM 404. Changing Natural Resource Policy. (3-0). Credit 3.** Process through which environmental policies are changed; study theories of social and political change; teams use theories with their original research on environmental policy problems to create and implement plans for changing environmental policies in their own communities. Restriction: Junior or senior classification or approval of instructor.

**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; complements GEOL 101 but may be taken independently.

**MSEN 222. Material Science. (3-0). Credit 3.** Mechanical, optical, thermal, magnetic and electrical properties of solids; differences in properties of metals, polymers, ceramics and composite materials in terms of bonding and crystal structure. Prerequisites: CHEM 102, or CHEM 104 and CHEM 114, or CHEM 107 and CHEM 117; PHYS 218. Cross-listed with MEEN 222.

3. Change in Courses

**AGEC 424. Rural Entrepreneurship I**

Course title

From: Rural Entrepreneurship I.

To: Agribusiness Entrepreneurship – Economic Analysis.

Prerequisites

From: AGECE 105 or ECON 202; ACCT 209 or ACCT 210 or ACCT 229 or ACCT 230 or AGECE 325 or AGECE 330 or FINC 341 or FINC 409; junior or senior classification; or approval of department head.

To: AGECE 105 or ECON 202; ACCT 209 or ACCT 210 or ACCT 229 or ACCT 230 or AGECE 324 or AGECE 330 or FINC 341 or FINC 409. Restriction. Junior or senior classification or approval of instructor.

**AGECE 425. Rural Entrepreneurship II.**

Course title

From: Rural Entrepreneurship II.

To: Agribusiness Entrepreneurship – Financial Analysis.

**ECEN 424. Fundamentals of Networking.**

Lab contact hours

From: (3-0). Credit 3.

To: (3-1). Credit 3.

**GEOL 101. Principles of Geology.**

Lab contact hours and semester credit hours

From: (3-3). Credit 4.

To: (3-0). Credit 3.

**MSEN 310. Structure of Materials.**

Prerequisites

From: MSEN 201 or approval of instructor; junior or senior classification.

To: MSEN 201, MSEN 222, AERO 413, BMEN 343, CHEN 313, CVEN 306, ENTC 206, or NUEN 265, or approval of instructor.

**MSEN 410. Materials Processing.**

Prerequisites

From: MSEN 201 or approval of instructor; junior or senior classification.

To: MSEN 201, MSEN 222, AERO 413, BMEN 343, CHEN 313, CVEN 306, ENTC 206, or NUEN 265, or approval of instructor.

**MSEN 420. Polymer Science.**

Prerequisites

From: MSEN 201 or MEEN 222 or AERO 213 or CHEN 313; junior or senior classification.

To: MSEN 201, MSEN 222, AERO 413, BMEN 343, CHEN 313, CVEN 306, ENTC 206, or NUEN 265, or approval of instructor.

**MSEN 460. Electronic, Optical and Magnetic Properties of Materials.**

Prerequisites

From: MSEN 201 or approval of instructor; junior or senior classification.

To: MSEN 201, MSEN 222, AERO 413, BMEN 343, CHEN 313, CVEN 306, ENTC 206, or NUEN 265, or approval of instructor.

**PETE 335. Technical Presentations I.**

Course description

From: Preparation of a written technical paper proposal on a subject related to petroleum technology and an oral presentation of the proposal in a formal technical conference format; oral presentations are judged by petroleum industry professionals at the departmental student paper contest held during the same academic year.

To: Preparation of a written technical paper proposal on a subject related to petroleum technology and an oral presentation of the proposal in a formal technical conference format.

**PETE 355. Drilling Engineering.**

Prerequisites

From: PETE 225 with a grade C or better, PETE 314; Corequisites: PETE 321, PETE 325.

To: CVEN 305, PETE 225, PETE 314; Corequisites: PETE 321, PETE 325.

**PETE 435. Technical Presentations II.**

Course description

From: Preparation of a written technical paper on a subject related to petroleum technology and an oral presentation of the paper in a formal technical conference format; oral presentations are judged by petroleum industry professionals at the departmental student paper contest held during the same academic year.

To: Preparation of a written technical paper on a subject related to petroleum technology and an oral presentation of the paper in a formal technical conference format.

**PHLT 301. Orientation to Public Health.**

Course number

From: PHLT 301.

To: PHLT 201.

**RPTS 474. Management of Programs and Services for Youth.**

Lab contact hours and semester credit hours

From: (3-2). Credit 4.

To: (3-0). Credit 3.

**WFSC 406. Conservation Biology and Wildlife Habitat Management.**

Course title

From: Conservation Biology and Wildlife Habitat Management.

To: Wildlife Habitat Management.

4. Change in Curricula

**College of Agriculture and Life Sciences**

Department of Ecosystem Science and Management

BS in Ecological Restoration

BS in Rangeland Ecology and Management – Ranch Management Option

BS in Rangeland Ecology and Management – Rangeland Resources Option

Minor in Rangeland Ecology and Management

Department of Recreation, Park and Tourism Sciences

BS in Recreation, Park and Tourism Sciences and  
Youth Development Certificate

Tourism and Hospitality Management Certificate

Department of Wildlife and Fisheries Sciences

Minor in Wildlife and Fisheries Sciences

Department of Materials Science and Engineering

Minor in Materials Science and Engineering

5. Texas A&M University at Galveston

New Course

**MART 205. Marine Surveying. (3-0). Credit 3.** Fundamentals of marine surveying using the various types of maritime surveys; writing survey reports by meeting regulatory and industry standards for submission to maritime clients. Prerequisites: MART 202 and MART 203 (MART majors); or MARA 205 (MARA majors); or MARR 101 (MARR majors); or MARE 100 (MARR-NLO majors); or approval of instructor.

Change in Curricula

**Texas A&M University at Galveston**

Department of Maritime Administration

BS in Maritime Administration

BS in Maritime Administration and Master in Maritime  
Administration and Logistics (3+2)

Minor in Maritime Administration

6. Special Consideration

**Mays Business School**

BBA in Business Administration  
Request for a new degree program

**Dwight Look College of Engineering**

Department of Mechanical Engineering  
Minor in Analysis, Design and Management of Energy Conversion Systems  
Request for a new minor

Minor in Control of Mechanical Systems  
Request for a new minor

Minor in Design and Simulation of Mechanical Systems  
Request for a new minor

7. Tabled Items

New Courses

AGEC 223 - A) missing make up policy; B) grading policy does not show how extra work by Honors students fits in grade percentages (*Jasperson*)

AGEC 324 - A) missing make up policy; B) grading policy does not show how extra work by Honors students fits in grade percentages (*Jasperson*)

AGEC 423 - A) missing make up policy; B) grading policy does not show how extra work by Honors students fits in grade percentages (*Jasperson*)

MEEN 439 - add junior or senior classification to prerequisites, need learning objectives that are measurable (*Knight*)

MEEN 469 - No honor code statement. No ADA statement (*Herman*); missing measurable learning outcomes (*Jasperson*); add junior or senior classification to prerequisites, need ADA and honor code (*Knight*); I would suggest adding more specific learning outcomes. The Honor Code should apply to all aspects of the course, not just the "homework". (*Kracht*)

PETE 337 - no syllabus (*Herman*); if course if pass/fail how is it graded (*Knight*)

PETE 437 - no syllabus (*Herman*).

8. Other Business

T.Scott reminded committee about new UCC schedule of meetings (on website). Meeting dates changed due to Faculty Senate changing their report due dates.

B.Knight attended CourseLeaf CIM kickoff meeting as a representative of UCC. He talked about the proposed new online system for approving courses/curriculum.

J.Jasperson brought up questions regarding shortened courses, University Rule 11.03.99.M1, and how distance education courses are approved; T.Scott will follow-up with Nick Piwonka and may ask that he attend the next UCC meeting.