

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; Prasad Enjeti, Dwight Look College of Engineering; Steve Oberhelman, College of Liberal Arts; Jennifer Ross, School of Public Health; Glenn Jones, Texas A&M University at Galveston; Stephanie Graves, Texas A&M University Libraries; Kristin Harper (for Ann Kenimer), Undergraduate Studies; John Louis Bolch, Office of the Registrar.

Guests: Ed Rister, Department of Agricultural Economics; David Forrest, Department of Animal Science; Craig Coates and Ann Pool, Department of Entomology; Tim Jacobs, Department of Mechanical Engineering; Priscilla McLeroy, Department of Petroleum Engineering; Susan Scott, Department of Recreation, Park and Tourism Sciences; Nick Piwonka and Jake Williams, Office of the Registrar.

The Undergraduate Curriculum Committee recommends approval of the following:

1. The minutes of the August 7, 2015 meeting.
2. New Courses

**AGEC 324. Agribusiness Entrepreneurship – Budgeting. (2-2). Credit 3.** Case study approach to demonstrate a process for evaluating the economic feasibility of a single-enterprise rural or metropolitan business venture; relevant production, marketing and financing costs, in combination with capital ownership and overhead costs; computer spreadsheets including attention to deterministic sensitivity analyses; computer capabilities are essential. Prerequisites: AGECE 105 or ECON 202; ACCT 209 or ACCT 210 or ACCT 229 or ACCT 230 or AGECE 330 or FINC 341 or FINC 409; junior or senior classification or approval of instructor.

**ANSC 211. Equine Industry and Career Preparation. (2-0). Credit 2.** Identify opportunities and skill sets required to pursue a career in the equine industry; development of resume, communication, professional etiquette and interview skills.

**ANTH 436. Ancient Egypt. (3-0). Credit 3.** Archaeology and history of ancient Egypt from earliest times to the end of the New Kingdom period. Prerequisite: Junior or senior classification or approval of instructor. Cross-listed with RELS 436.

**ENTO 321. Beekeeping. (0-3). Credit 1.** Basic Knowledge and techniques used in apiculture; tools and knowledge needed to keep bees responsibly and productively. Prerequisites: ENTO 320 or concurrent enrollment, junior or senior classification or approval of instructor

**ESSM 324. Forest Measurements. (0-4). Credit 2.** Measures and measurement of the dimensions and attributes of forested areas including the diameters, heights, volume and biomass of trees within a well-defined area; tools used for forest measurement; the conduct of forest inventories; summary measures and reports of inventory results; remote sensing and related technologies that assist forest measurements. Prerequisites: ESSM 313 and ESSM 319 or concurrent enrollment; junior or senior classification.

**FILM 445. Rhetoric of Television and Film. (3-0). Credit 3.** Critical analysis of television and film; close readings of such mediated texts; special attention to writing television and film criticism. Prerequisite: Junior or senior classification. Cross-listed with COMM 435.

**MEEN 439. Solar Energy Engineering. (3-0). Credit 3.** Solar energy; solar angles and radiation; solar thermal systems; solar water heating and space heating; concentrated solar power; energy storage; solar photovoltaics; solar cell manufacturing; other solar energy technologies. Prerequisite: MEEN 315.

**MEEN 469. Alternative Energy Conversion. (3-0). Credit 3.** Design and analysis of alternative energy conversion processes and systems that are based on converting energy directly (e.g., fuel cells, photovoltaics), utilizing non-combustible heat sources (e.g., geothermal, ocean gradients, solar and nuclear fission and fusion) and obtaining energy from the environment (e.g., wind, hydroelectric, ocean tides and waves). Prerequisite: MEEN 315.

**PETE 337. Junior Student Paper Contest. No Credit.** Presentation of a technical proposal on a subject related to petroleum technology judged by petroleum professionals at the junior level departmental student paper contest. Must be taken on a satisfactory/unsatisfactory basis. Prerequisite: PETE 335.

**PETE 437. Senior Student Paper Contest. No credit.** Presentation of a technical petroleum engineering topic judged by petroleum professionals at the senior level departmental student paper contest. Must be taken on a satisfactory/unsatisfactory basis. Prerequisite: PETE 337; Corequisite: PETE 435.

**RELS 436. Ancient Egypt. (3-0). Credit 3.** Archaeology and history of ancient Egypt from earliest times to the end of the New Kingdom period. Prerequisite: Junior or senior classification or approval of instructor. Cross-listed with ANTH 436.

3. Withdrawal of Courses

**ESSM 460. Spatial Data Acquisition with Field Methods.**

4. Change in Courses

**COMM 435. Rhetoric of Television and Film.**

Prerequisites

From: None.

To: Junior or senior classification.

Cross-listing

From: None.

To: FILM 445.

**ENTO 291. Research.**

Variable credit hours

From: Credit 1 to 4.

To: Credit 0 to 4.

**ENTO 484. Professional Internship.**

Variable credit hours

From: Credit 1 to 4.

To: Credit 0 to 4.

**ENTO 491. Research.**

Variable credit hours

From: Credit 1 to 4.

To: Credit 0 to 4.

**ESSM 415. Range Analysis and Management Planning.**

Prerequisites

From: ESSM 314, junior or senior classification or approval of instructor.

To: AGECE 105 or ECON 202, ESSM 314, ESSM 317; junior or senior classification or approval of instructor.

**ESSM 430. Advanced Restoration Ecology.**

Prerequisites

From: RENR 205 and ESSM 320 or ESSM 420; junior or senior classification.

To: RENR 205, ESSM 320, ESSM 420; junior or senior classification.

**ESSM 459. Spatial Databases and Programming.**

Course title

From: Spatial Databases and Programming.

To: Programming for Spatial Data Applications.

Course description and prerequisites

From: Computational tools for creating new data, sharing, integrating that data with other databases; conducting analyses and interpretation of information ranging from spreadsheets to advanced scientific workflow processing systems; tools to create higher quality, more useful data. Prerequisite: Junior or senior classification or approval of instructor.

To: Programming for spatial data applications in general and for natural resources application in particular; basic programming concepts and constructs for the creation and manipulation of spatial data; automating of processes; programming behind spreadsheet and GIS applications. Prerequisites: ESSM 351 or equivalent, junior or senior classification or approval of instructor.

**ESSM 464. Spatial Project Management.**

Prerequisites

From: A minimum of two GIS and/or remote sensing courses at 300 or 400-level, junior or senior classification or approval of instructor.

To: ESSM 351 and ESSM 444, junior or senior classification or approval of instructor.

**FIVS 291. Research.**

Variable credit hours

From: Credit 1 to 4.

To: Credit 0 to 4.

**FIVS 484. Professional Internship.**

Variable credit hours

From: Credit 1 to 4.

To: Credit 0 to 4.

**FIVS 491. Research.**

Variable credit hours

From: Credit 1 to 4.

To: Credit 0 to 4.

**NUTR 430. Community Nutrition.**

Prerequisites

From: NUTR 203.

To: NUTR 203; NUTR 301; junior or senior classification.

**OCNG 410. Introduction to Physical Oceanography.**

Course title

From: Introduction to Physical Oceanography.

To: Physical Oceanography.

Prerequisites

From: MATH 308; junior or senior classification.

To: MATH 152; junior or senior classification.

**OCNG 420. Introduction to Biological Oceanography.**

Course title

From: Introduction to Biological Oceanography.

To: Biological Oceanography.

**OCNG 430. Introduction to Geological Oceanography.**

Course title

From: Introduction to Geological Oceanography.

To: Geological Oceanography.

**OCNG 440. Introduction to Chemical Oceanography.**

Course title

From: Introduction to Chemical Oceanography.

To: Chemical Oceanography.

### **PSYC 485. Directed Studies**

#### Course description and prerequisites

From: Directed readings or research problems in selected areas designed to supplement existing course offerings. Individual report required. Prerequisites: 12 hours of psychology including completion of PSYC 204; GPR of 2.5 or better in all psychology courses; approval of instructor; major in psychology.

To: Directed readings or research problems in selected areas designed to supplement existing course offerings. May be repeated for credit. Prerequisite: Approval of instructor.

### **PSYC 491. Research.**

#### Course description and prerequisites

From: Research conducted under the supervision of a chosen faculty member in the department of psychology; involves discussion and weekly presentation of student research projects. May be repeated for credit. Prerequisites: PSYC 484 or PSYC 485; junior or senior classification.

To: Research conducted under the supervision of a chosen faculty member in the department of psychology; involves discussion and presentation of student research projects. May be repeated for credit. Prerequisites: PSYC 484 or PSYC 485; approval of instructor.

### **RENr 410. Ecosystem Management.**

#### Prerequisites

From: Senior classification or approval of instructor.

To: RENr 205, senior classification or approval of instructor.

## 5. Change in Curriculum

### **College of Agriculture and Life Sciences**

Department of Ecosystem Science and Management  
BS in Forestry

Minor in Forestry

Department of Entomology  
Minor in Entomology

## 6. Texas A&M University at Galveston

### New Course

**MARS 408. Estuarine and Coastal Hydrodynamics. (3-0). Credit 3.** Physical processes in estuarine and coastal environments in various time scales: turbulent, tidal and residual (subtidal); study of salts, suspended solids, nutrients and heat affected by water movement; physical, biogeochemical processes and mass transport. Prerequisites: MATH 251, PHYS 218, junior or senior classification or approval of instructor.

Change in Curricula

**Texas A&M University at Galveston**

Department of Marine Biology  
BS in Marine Biology

Department of Maritime Biology  
BS in Marine Fisheries

Special Consideration

**Texas A&M University at Galveston**

Department of Liberal Studies  
Minor in Maritime Studies  
Request for a new minor

7. Special Consideration

**College of Liberal Arts**

Department of Performance Studies  
Minor in Performance Studies  
Request for a new minor

Minor in Music  
Minor in Theater Arts  
Request to discontinue minors

8. Change in Curriculum – *from August 2015 UCC Meeting*

**Dwight Look College of Engineering**

Department of Petroleum Engineering  
BS in Petroleum Engineering

9. 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 423 - A) missing make up policy; B) grading policy does not show how extra work by Honors students fits in grade percentages (*Jasperson*); grading should be more rigorous than lower level course (*Jones*)

IDIS 450 - does neo email still exist? (*Bergeron*); due to overlapping domain content should have a letter of support from Department of Information and Operations Management and from Department of Statistics (*Jasperson*); There is an error for the grade of F in the Grading Structure. (*Kracht*)

Special Consideration

**College of Agriculture and Life Sciences**  
Department of Agricultural Economics  
Minor in Agribusiness Entrepreneurship  
Request for a new minor

10. Other Business

T.Scott gave overview of the CourseLeaf CIM meeting he attended.

N.Piwonka gave a brief overview of the process for shortened courses and to his knowledge, there is no approval required as indicated in the policy.