

**Minutes of the University Curriculum Committee**  
**January 11, 2008**  
**217 Koldus**

Members present: Robert Knight, Chair, College of Agriculture and Life Sciences; Tim Scott (Vice-Chair), College of Science; Michael Murphy, College of Architecture; Vida Wilhem (for Jim Kracht), College of Education and Human Development; Vatche Tchakerian, College of Geosciences; Don Curtis (for Pamela Matthews), College of Liberal Arts; George Fowler, Mays Business School; Tom Schmalz (for Bill McMullen, Texas A&M University at Galveston); James Herman, College of Veterinary Medicine and Biomedical Sciences.

The University Curriculum Committee recommends approval of the following:

1. The minutes of the December 13, 2007 meeting.
2. New Courses

**ANTH 446. Ceramic Artifact Analysis. (2-3). Credit 3.** Concepts, methods, and approaches used in the analysis of archaeological pottery with a focus on the techniques and theories used to bridge the gap between the recovery of ceramic artifacts and their interpretation within various anthropological contexts. Prerequisite: ANTH 202 and approval of instructor; junior or senior classification.

**ANTH 447. Lithic Artifact Analysis. (2-3). Credit 3.** Laboratory-based course reviewing methods archaeologists use to analyze stone tools and debitage, including identification of tool-stone sources, reconstruction of technology, explanation of assemblage variability, and microscopic use-wear analysis. Prerequisite: ANTH 202 and approval of instructor; junior or senior classification.

**ANTH 454. Archaeological Photography. (2-3). Credit 3.** How to better use cameras in the process of reporting archaeological sites and material culture by exploring old and new photographic technologies. Prerequisite: Junior or senior classification.

**HIST 469. History of Collective Protest and Violence. (3-0). Credit 3.** Examination of collective protest and violence on a case study basis and in comparative and historical context; emphasis on causes, the nature of participation, assumptions and goals, and the character of repression. Prerequisite: Junior or senior classification.

**NRSC 450. Mammalian Functional Neuroanatomy. (3-2). Credit 4.** Functional morphology of the domestic animal and human brain using gross specimens, microscopic sections, interactive computer-, DVD-, and video-assisted instructional programs supplemented with clinical case studies. Prerequisites: Junior or senior classification; BIMS, biology, biochemistry, or psychology majors, or neuroscience minors with overall 3.5 TAMU GPA; or approval of instructor. Cross-listed with VIBS 450.

**PHYS 415. Nuclear and Particle Physics. (3-0). Credit 3.** Properties, decays, and reactions of nuclei and elementary particles; nuclear models and equation of state; quantum chromodynamics and electroweak interactions; applications to astrophysics: big bang model, cosmic microwave background radiation, nucleosynthesis, neutron star, and supernovae. Prerequisite: PHYS 412.

3. Change in Courses

**ANTH 225. Physical Anthropology.**

Course Title

From: Physical Anthropology.  
To: Biological Anthropology.

Prerequisites

From: BIOL 113 and 123; BIOL 107 or equivalent.  
To: None.

Cross-listing

From: BIOL 225.  
To: None.

**ANTH 425. Anthropometry and Osteology.**

Course Title

From: Anthropometry and Osteology.  
To: Human Osteology.

Course Description and Prerequisites

From: Concepts and methods used by anthropologists and paleontologists to identify, describe and analyze skeletal and fossil bone materials.  
Prerequisites: ANTH 225 and 312 or approval of instructor.  
To: Concepts and methods used by anthropologists to identify, describe and analyze human skeletal remains from forensic and archaeological contexts.  
Prerequisites: ANTH 225 or VIBS 305; junior or senior classification.

**PHYS 306. Basic Astronomy.**

Course Prefix and Course Number

From: PHYS 306.  
To: ASTR 101.

Course Description

From: Qualitative approach to planets, stars, galaxies and cosmology; aspects of the sky, determining the properties of celestial bodies; birth, life and death of stars: nebulae, pulsars, supernovas, black holes; origin and fate of the universe; active galactic nuclei and other super-energetic phenomena; modern knowledge of the Solar System and its origin, life in our and other systems.  
To: A qualitative approach to basic stellar astronomy; earth-moon-sun relationships then studies of distances to stars, stellar temperatures, and other physical properties; birth, life on the main sequence of the H-R diagram, and ultimate fates of stars.

**PHYS 307. Observational Astronomy.**

Course Prefix and Course Number

From: PHYS 307.  
To: ASTR 102.

Course Description and Prerequisites

From: Observational and laboratory course which may be taken in conjunction with PHYS 306 or 314. Use of techniques and instruments of classical and modern astronomy. Prerequisite: PHYS 306 or 314, or registration therein.  
To: Observational and laboratory course which may be taken in conjunction with ASTR 101 or 314. Use of techniques and instruments of classical and modern astronomy. Prerequisite: ASTR 101 or 314, or registration therein.

**PHYS 314. Survey of Astronomy.**

Course Prefix

From: PHYS 314.  
To: ASTR 314.

Prerequisites:

From: PHYS 208 or 219.  
To: PHYS 208.

**PSYC 335. Physiological Psychology.**

Lecture Hours, Lab Hours

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

**VIBS 450. Mammalian Functional Neuroanatomy.**

Lecture Hours, Lab Hours, Credit Hours

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

Prerequisites

From: Junior or senior classification and approval of instructor.  
To: Junior or senior classification; BIMS, biology, biochemistry, or psychology majors, or neuroscience minors with overall 3.5 TAMU GPA; or approval of instructor.

Cross-listing

From: None.  
To: NRSC 450.

4. Change in Curriculum

**College of Liberal Arts**

Interdepartmental Degree Program  
B.A. in International Studies

5. Texas A&M University at Galveston

New Courses

**MARS 362. Biochemical Adaptations. (1-0). Credit 1.** Seminar on biochemical adaptations and contemporary biochemical methodology emphasizing marine life; an examination of how marine organisms, based on a common set of biochemical structures and processes and subject to a common set of physical-chemical laws, adapt to marine environmental conditions. Prerequisites: MARS 360 or concurrent enrollment.

**MARS 412. Remote Field Investigations in Marine Sciences. Credit 1 to 6.** An overview of marine sciences in remote locations varying by instructor and selected topics; lectures on recent scientific papers, methods, and concepts related to field area; individual projects; data collection; data analysis and presentation. May be taken 3 times for credit. Prerequisite: Junior or senior classification or approval of instructor.

**PHIL 381. Ethical Theory. (3-0). Credit 3.** Values and conduct such as moral relativism, self-interest, utilitarianism, rules, nature of valuation, ethical language and argumentation. Prerequisite: 3 hours of philosophy other than PHIL 240.

Change in Course

**MARS 250. Computer Applications.**

Course Number

From: MARS 250.  
To: MARS 350.

Course Title

From: Computer Applications.  
To: Advanced Computer Applications.

Lecture Hours and Credit Hours

From: (2-2). Credit 3.  
To: (1-2). Credit 2.

Course Description and Prerequisite

From: Introduction to microcomputer business and data applications. Fundamental concepts of information technology and algorithm development. Use of integrated word processing, spreadsheet and database applications software to solve science and/or business problems.

To: Data manipulation, merging selection, filtering and querying in Microsoft Office primarily using large real data sets; applications of GIS, MATLAB, and other software relevant to science and/or business applications; discussion of algorithm development in structured and object oriented programming languages.

6. Other Business

Members decided the best date for Galveston to host a UCC meeting would be June 13, 2008. Additional information will follow in the months to come.

The March 2008 meeting was cancelled due to Spring Break conflicts.