

Minutes of the Undergraduate Curriculum Committee
March 8, 2013
Room 217, John J. Koldus Building

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; Marty Loudder, Mays Business School; Glenda Byrns (for Christine Bergeron), College of Education and Human Development; John Tyler, Dwight Look College of Engineering; Mike Stephenson, College of Liberal Arts; Donna Lang (for Glenn Jones), Texas A&M University at Galveston; Daniel Xiao, Texas A&M University Libraries; Kristin Harper (for Ann Kenimer), Undergraduate Studies; James Herman, College of Veterinary Medicine and Biomedical Sciences; Tyler Mandry, Student Representative; Jean Layne, Center for Teaching Excellence.

Guests: Ira Greenbaum, Department of Biology.

The Undergraduate Curriculum Committee recommends approval of the following:

1. The minutes of February 8, 2013 meeting.
2. New Courses

AFST 362. 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. Cross-listed with HIST 302.

NRSC 277. Introduction to Neuroscience. (3-0). Credit 3. Neuroscience from the molecular to system levels; fundamental principles and knowledge of neuroscience; current research information on neuroscience. Prerequisites: Freshman or sophomore classification and approval of instructor. Cross-listed with VIBS 277.

VIBS 277. Introduction to Neuroscience. (3-0). Credit 3. Neuroscience from the molecular to system levels; fundamental principles and knowledge of neuroscience; current research information on neuroscience. Prerequisites: Freshman or sophomore classification and approval of instructor. Cross-listed with NRSC 277.

3. Change in Courses

ASTR 101. Basic Astronomy.

Course description

From: 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.

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; not open to students who have taken ASTR 111 or ASTR 314.

CHEM 101. Fundamentals of Chemistry I.

Course prerequisites

From: Concurrent registration in CHEM 111 is suggested.

To: Concurrent enrollment in CHEM 111.

CHEM 102. Fundamentals of Chemistry II.

Course prerequisites

From: Concurrent registration in CHEM 112 is suggested.

To: Concurrent enrollment in CHEM 112.

CHEM 103. Structure and Bonding.

Course prerequisites

From: For entering students with satisfactory scores on math and chemistry placement examinations.

To: For entering students with satisfactory scores on math and chemistry placement examinations; concurrent enrollment in CHEM 113.

CHEM 104. Chemistry of the Elements.

Course prerequisites

From: CHEM 113.

To: CHEM 103 and CHEM 113; concurrent enrollment in CHEM 114.

CHEM 106. Molecular Science for Citizens.

Course prerequisites

From: None.

To: Concurrent enrollment in CHEM 116.

CHEM 107. General Chemistry for Engineering Students.

Course prerequisites

From: None.

To: Concurrent enrollment in CHEM 117.

ENGL 201. Approaches to Literacy.

Course prerequisites

From: ENGL 104.

To: None.

ENGL 204. Introduction to African American Literature.

Course prerequisites

From: ENGL 104.

To: None.

ENGL 205. Introduction to Africana Literature.

Course prerequisites

From: ENGL 104.

To: None.

ENGL 212. Shakespeare.

Course prerequisites

From: ENGL 104.

To: None.

ENGL 219. Literature And The Other Arts.

Course prerequisites

From: ENGL 104.

To: None.

ENGL 221. World Literature.

Course prerequisites

From: ENGL 104.

To: None.

ENGL 222. World Literature.

Course prerequisites

From: ENGL 104.

To: None.

ENGL 227. American Literature: Colonial to American Renaissance.

Course prerequisites

From: ENGL 104.

To: None.

ENGL 228. American Literature: Civil War To Present.

Course prerequisites

From: ENGL 104.

To: None.

ENGL 231. Survey of English Literature I.

Course prerequisites

From: ENGL 104.

To: None.

ENGL 232. Survey of English Literature II.

Course prerequisites

From: ENGL 104.

To: None.

4. Texas A&M University at Galveston

a. New Courses

MARE 350. Commercial Cruise Internship. Credit 4. Training program for second sea-training period; sea project required of each student under supervision of officer-instructors; lifeboat and safety training. Prerequisites: MARE 100, MARE 200, MART 103 and junior or senior classification or approval of MARE and MART department heads.

MART 350. Commercial Cruise Internship. Credit 4. Practical application of student's classroom studies aboard an assigned merchant vessel during second training cruises. Student completes basic projects in communications, navigation, seamanship and rules of the road. Prerequisites: MART 200, MART 301, MART 303 and junior or senior classification or approval of MART department head.

MAST 101. Connections. (1-0). Credit 1. A first year experience seminar to explore the connections between academic disciplines to develop creative and critical thinking strategies which will increase abilities to implement solutions, refine information literacy skills, and identify the resources available for a successful transition from high school to the university environment.

b. Change in Course

MARS. 360. Biochemistry.

Course description

From: General introductory biochemistry; structures of lipids, saccharides and nucleotides; amino acids and protein structure; relationship of protein structure to biochemical reactivity; kinetics (and inhibition) of enzyme-catalyzed reactions; membrane phospholipids and glycoproteins and the structure and function of membranes; catabolic reaction pathways of monosaccharides and fatty acids; oxidative phosphorylation.

To: General introductory biochemistry; structures of the four classes of biologically important molecules (proteins, carbohydrates, lipids and nucleotides); how these biomolecules are generated from molecular building blocks; relationship of biomolecule structure to biochemical reactivity such as kinetics and enzyme regulation; membrane phospholipids and glycoproteins and the structure and function of membranes; catabolic reaction path ways of monosaccharides and fatty acids; oxidative phosphorylation and photosynthesis.

Course prerequisites

From: BIOL 112, CHEM 228. Junior or senior classification or approval of instructor.

To: BIOL 111, BIOL 112, CHEM 228; junior or senior classification or approval of instructor.

Lecture and semester credit hours

From: (3-0). Credit 3.

To: (4-0). Credit 4.

Department of Maritime Administration

Course prefix change from INFO to SCMT

INFO 303, INFO 336, INFO 364

(see memorandum from Dr. Donna Lang and Dr. Johan Mileski)

5. Texas A&M University at Galveston

c. Change in Curriculum

Texas A&M University at Galveston

Department of Marine Biology

B.S. in Marine Biology – License Option

Texas A&M University at Galveston

Department of Marine Engineering Technology

B.S. in Marine Engineering Technology – License Option

Texas A&M University at Galveston

Department of Marine Sciences

B.S. in Marine Sciences – License Option

Texas A&M University at Galveston

Department of Marine Sciences

B.S. in Ocean and Coastal Resources

Texas A&M University at Galveston

Department of Marine Transportation

B.S. in Marine Transportation

6. Change in Courses – Core Curriculum

BIOL 113. Essentials in Biology

Course description

From: One-semester survey of basic biological principles, including chemical basis of life, cell biology, bioenergetics, genetics, evolution, anatomy and physiology, reproduction and development, and interaction with the environment. Not suitable for students who plan to take additional courses in the Biology Department. BIOL 123 is the corresponding laboratory course.

To: One-semester in introductory biology for non-majors; chemical basis of life, cellular and molecular biology, genetics, evolution, biodiversity and interaction of organisms with their environment; includes a laboratory to supplement and reinforce lecture topics.

Lab and semester credit hours

From: (3-0). Credit 3.

To: (3-3). Credit 4.

GEOG 203. Planet Earth.

Course description

From: Overview of Earth's physical environment including climate, water, landforms, and ecosystems; processes that control these systems and their global distributions; human effects on these processes; topics illustrated through hands-on laboratory activities.

To: Earth's physical environment including climate, water, landforms, and ecosystems; processes that control these systems and their global distributions; human effects on these processes.

Lab and semester credit hours

From: (3-2). Credit 4.

To: (3-0). Credit 3.

GEOS 210. Climate change.

Lab and semester credit hours

From: (3-2). Credit 4.

To: (3-0). Credit 3.

7. Other Business

Brief updates on HSC and core curriculum requirements/process.