Minutes of the University Curriculum Committee
September 7, 2006
217 Koldus

Members present: Robert Knight (Chair), College of Agriculture and Life Sciences; Tim Scott (Vice-Chair), College of Science; Jim Kracht, College of Education and Human Development; Cynthia LaJimodiere, College of Engineering; Vatche Tchakerian, College of Geosciences; Pamela Matthews, College of Liberal Arts; Norma Funkhouser, Medical Sciences Library; Jim Herman (for Laurie Jaeger), College of Veterinary Medicine and Biomedical Sciences.

Guests: Elsa Murano, College of Agriculture and Life Sciences; Thomas Strganac, Department of Aerospace Engineering; R. Douglas Slack, Speaker, Faculty Senate; Karen Kubena, College of Agriculture and Life Sciences.

Election of Chair and Vice Chair – The committee elected Dr. Robert Knight as Chair and Dr. Tim Scott as Vice-Chair of the University Curriculum Committee to serve through August 2007.

The University Curriculum Committee recommends approval of the following:

1. New Courses

AERO 440. Cockpit Systems and Displays. (3-0). Credit 3. Design, development, and implementation of cockpit systems and multi-function displays; cockpit system requirements and specifications; human-machine interfaces, Flight Management Systems, navigation and guidance systems; 3-D real-time displays of weather, traffic, and terrain; characteristics and missions of air vehicles; project design and cost analysis. Prerequisite: AERO 421 or junior or senior classification in computer science.

AGSM 439. Management of Agricultural Systems I. (0-2). Credit 1. Application of agricultural systems management principles in solving realistic problems faced by agribusiness managers; project selection from problems posed by biological and agricultural industrial consultants; project feasibility study and outline; management and application philosophy; teamwork and communication, economics; product liability and reliability; standards and codes; goal setting and time management. Prerequisites: AGSM 335, 337, 403, 470 or registration therein; senior classification; must be taken prior to AGSM 440; AGSM majors only.

ANSC 402. Exploring Animal Industries. (2-0). Credit 2. Instruction for students nearing the end of their undergraduate studies; theoretical understanding of organizations and human resources available to students; awareness and understanding of the job application process, resume and cover letter writing; networking, professional and business attire; ethics related to job searches and retention. Prerequisite: Junior or senior classification.

ENDG 409. Professional Computer Animation. (3-0). Credit 3. Advanced studies in computer graphics with an emphasis on the intricacies of graphical design and how it applies to a cohesive project design. Prerequisites: ENDG 407 and 408; junior or senior classification.

ENTC 381. Introduction to Micro/Nano Manufacturing. (2-3). Credit 3. Product miniaturization and impact; review of atomic structure, electrical and physical properties of materials; ultraprecision machining; microlithography; dry and wet etching/sputtering techniques; isotropic and anisotropic processes; pattern transfer with additive processes; surface micromachining; microreplication processes; introduction to packaging technology and nanometrology; manufacturing of selected microsystems (MEMS) and their applications. Prerequisites: CHEM 107; PHYS 208;

senior or graduate in engineering or science; admitted to major degree sequence (upper-level) in engineering technology for ENTC majors.

HORT 332. Horticulture Landscape Graphics. (1-2). Credit 2. Graphic representation of landscape design; demonstrations of technique; examination of drawing examples and drawing production; basic hand graphics techniques for visual-think and presentation-quality landscape drawings. Prerequisite: Junior or senior classification.

HORT 442. Horticulture Landscape Design II. (2-2). Credit 3. Introduce computer-aided-drafting (CAD) to produce site layout, grading and planting plan, and construction details for small-scale landscape design; advanced design principles and practices in their historical context, includes design and drafting of hardscape details, manipulation of earth forms, ecological urban park design to traditional garden design. Prerequisites: HORT 203, 432 and 308 or approval of instructor; junior or senior classification.

HORT 454. Special Event Design and Production. (1-2). Credit 2. Role of event planners, production managers, designers, and decorators within traditional event management practices; analyze how artistic components are used in visual styling to achieve a specific purpose; impact of collaborative planning, effective research, and strong communication skills, social psychological and economic influences as they relate to event planning. Prerequisite: Junior or senior classification.

RLEM 430. Advanced Restoration Ecology: Current Concepts and Emerging Issues. (3-0). Credit 3. A dynamic discipline on fundamentals of ecology; translating and communicating key ecological concepts to advanced case studies in ecological restoration. Prerequisites: RENR 205 and RLEM 320 or 420; junior or senior classification.

2. Changes in Courses

AGRO 304. Plant Breeding.

Credit hours
From: (3-2). Credit 4.
To: (3-0). Credit 3.

NUTR 405. Nutritional Treatment of Disease.

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

Course description
From: Nutritional intervention in pathological conditions, based on biochemical, physiological and psychological effects of disease state; application of diet therapy principles and nutritional assessment.

To: Nutritional intervention in pathological conditions, based on biochemical, physiological and psychological effects of disease state; current research in clinical nutrition.

HORT 422. Citrus and Subtropical Fruits.

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

Course description
From: History, taxonomy, planting, irrigation, soil management, pruning, hardiness, packing, processing, post harvesting physiology and marketing of citrus and other subtropical practices.

To: Various types of citrus: identification, culture, processing, marketing, and economic future; prepares students to function in a continuously changing production environment in production areas.

Prerequisite
From: HORT 319 or approval of instructor.
To: Approval of instructor.

3. New Degree Program

BA and BS in University Studies

4. Special Consideration: New Minor

College of Agriculture and Life Sciences
Department of Animal Science
Minor in Animal Science

5. Nonsubstantive Change: Change in Name of College

College of Agriculture and Life Sciences
College of AgriLife Sciences

6. The following courses were tabled. A representative was not present for Mays Business School.

- ACCT 410
- IBUS 460
- MKTG 438