

Graduate Council Report

March 3, 2011

New Courses

ALEC 617. Leadership in Organizational Culture and Ethics. (3-0). Credit 3. Integration of organizational culture and ethical theories; implications and role of leaders in organizational culture and ethical situations; critical analysis of organizational culture and ethics in agricultural organizations. Prerequisite: Graduate classification

ALEC 652. Images of Agriculture: Visual Communication Research. (3-0). Credit 3. Explore visual communication from theoretical, physiological, and interpretive perspectives as it applies to media images used to depict agriculture and agricultural issues; Current research in visual communication and its application to agriculture; use of visual images in agricultural communication research. Prerequisite: ALEC 695 or introductory research methods

BICH 676. Bacteriophage Biology. (1-0). Credit 1. Oral presentation and discussion in the general area of the viruses of microbes and bacteria. Literature review with a broad scope, from basic molecular biology of phages to practical applications of microbial virus technology. Repeated for credit up to 12 times. Prerequisite: Approval of instructor

BICH 677. Chemical Genetics and Drug Discovery. (1-0). Credit 1. Review, discuss and present scientific literature studies based on the usage of small molecules to alter protein function. Prerequisite: Graduate classification.

ENTO 614. Insect Community Ecology. (3-0). Credit 3. Provide a strong and contemporary foundation in insect population, community and evolutionary ecology. Review historical and theoretical perspectives, current philosophies, approaches and a description of classic experiments used to test and modify theories on topics including: insect herbivore-plant interactions; major biological forces affecting population dynamics and community structure (resource availability, competition, predation, mutualisms, etc.). Prerequisite: Graduate classification

FSTC 669. Experimental Nutrition & Food Science Laboratory. (1-6). Credit 4. Nutritional intervention into animal models of metabolic or emotional disorders; genetic modifications or pathogens in food products; analyses of gene expression and behavior. Prerequisite: BICH/GENE 432 recommended; graduate in nutrition or related major. Cross-listed with: NUTR 669

NUTR 669. Experimental Nutrition & Food Science Laboratory. (1-6). Credit 4. Nutritional intervention into animal models of metabolic or emotional disorders; genetic modifications or pathogens in food products; analyses of gene expression and behavior. Prerequisite: BICH/GENE 432 recommended; graduate in nutrition or related major. Cross-listed with: FSTC 669

PSAA 601. Foundations of Public Service. (3-0). Credit 3. Different perspectives on management and leadership in public service; provides overview of how public and nonprofit organizations work; discusses ethical dilemmas that occur in public service careers. Prerequisite: PSAA Majors Only

Course Change Requests

ARCH 643. Software Development for Building Design. (2-3). Credit 3

Prerequisite:

FROM:

ARCH 642 or equivalent

TO:

ARCH 633 or equivalent

Title:

FROM:

Software Development for Building Design

TO:

Software Analysis for HVAC Systems in Low Energy Buildings

Description:

FROM:

Microcomputer software development for applications in building design and analysis includes structures, acoustics, daylighting, economics, energy used and other design support systems; applications of microcomputer programming languages to data structuring, file management, algorithm development and simulation methods for building related problems.

TO:

Energy analysis (using Energy Plus software) with an emphasis on developing strategies for low energy use; simulation of various heating and cooling systems in low energy buildings; analysis of the mechanical equipment (including air handling systems, chiller and boilers), the building envelope, energy management control systems and indoor air quality.

EPSY 632. Research in Second Language Education.

Course Title Change:

FROM: EPSY 632

TO: BIED 632

Special Consideration Item:

Graduate Council approved the College of Science request for discontinuation of the Graduate Degree Programs in Zoology and Botany to be discontinued and officially removed from the Texas A&M University Degree Inventory as of September 1, 2013.

Special Consideration Item

Graduate Council approved the College of Education and Human Development request to approve the revised Athletic Training Master's Degree.