

MEMORANDUM

April 14, 2008

TO: Academic Deans Council

FROM: Dr. Timothy Chamblee
UCCC Chair

RE: Change Notice 6

Listed below are curriculum change proposals which have been recommended by the University Committee on Courses and Curricula. Under current procedure, members of the Academic Deans Council may question the approval of these proposals at any time prior to **5:00 p.m.** on April 28, 2008 by contacting the Committee's office (5-0831), or the office of the Vice President for Academic Affairs (5-3742). If no questions have been raised, the proposals will be considered to have been approved automatically.

1. COURSE PROPOSALS

ARGICULTURE AND LIFE SCIENCES

ADD	AEC 8713	<p>Rural Community and Economic Development. (3). Three hours lecture. The central focus in this course is on the set of social and economic components that constitute the fabric of rural communities in the U.S.</p> <p>METHOD OF INSTRUCTION: C MEHTOD OF DELIVERY: F, O, T C.I.P. 01.0103 24-CHARACTER ABBREVIATION Rural Comm/Econ Develop</p> <p>Effective: Fall 2008</p>
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ARTS AND SCIENCES

ADD	BIO 6013	<p>Genetics & Molecular Biology. (3). (Prerequisite: Consent of instructor). Three hours video and online. Analysis of the transmission of genetic information from molecular to organismal levels; examination of ways in which genotype determines phenotype. (Intended for K-12 science teachers. Course cannot be used to satisfy degree requirements in a non-distance degree program).</p> <p>METHOD OF INSTRUCTION: C MEHTOD OF DELIVERY: O C.I.P. 26.0899 24-CHARACTER ABBREVIATION Genetics & Molecular Bio</p> <p>Effective: Fall 2008</p>
ADD	BIO 6023	<p>Principles of Evolutionary Biology. (3). (Prerequisite: Consent of instructor). Three hours video and online. Current concepts in genetic variation, natural selection, and adaptation of populations; speciation, extinction, and phylogenetics; patterns of human evolution. (Intended for K-12 science teachers. Course cannot be used to satisfy degree requirements in a non-distance degree program).</p> <p>METHOD OF INSTRUCTION: C MEHTOD OF DELIVERY: O C.I.P. 26.1303 24-CHARACTER ABBR: Princ Evolutionary Bio</p> <p>Effective: Fall 2008</p>

ADD	BIO 6033	<p>Fundamentals of Biotechnology. (3). (Prerequisite: BIO 6013 and BIO 8033, or consent of instructor). Three hours video and online. Fundamental principles of animal and plant biotechnology including recombinant DNA technology, gene-based diagnostics, genetically modified organisms and transgenics. (Intended for K-12 science teachers. Course cannot be used to satisfy degree requirements in a non-distance degree program).</p> <p>METHOD OF INSTRUCTION: C MEHTOD OF DELIVERY: O C.I.P. 12.01 24-CHARACTER ABBREVIATION Fund Biotechnology</p> <p>Effective: Fall 2008</p>
ADD	BIO 6043	<p>Developmental and Reproductive Biology. (3). (Prerequisites: BIO 6013 and BIO 8033, or consent of instructor). Three hours video and online. Study of reproduction and development from gametes through birth in mammals; focusing on stages, anatomy, physiology, mechanisms, genetics. (Intended for K-12 science teachers. Course cannot be used to satisfy degree requirements in a non-distance degree program).</p> <p>METHOD OF INSTRUCTION: C MEHTOD OF DELIVERY: O C.I.P. 26.0404 24-CHARACTER ABBREVIATION Develop & Reproduct Bio</p> <p>Effective: Fall 2008</p>

ADD	BIO 8023	<p>Modern Microbiology. (3). (Prerequisite: Consent of instructor). Three hours video and online. Fundamental principles of microbiology, including microbial structure, replication, and diversity; role of microorganisms in human health and the environment. (Intended for K-12 science teachers. Course cannot be used to satisfy degree requirements in a non-distance degree program).</p> <p>METHOD OF INSTRUCTION: C MEHTOD OF DELIVERY: O C.I.P. 26.0502 24-CHARACTER ABBREVIATION Mod Microbiology</p> <p>Effective: Fall 2008</p>
ADD	BIO 8033	<p>Advanced Cell Biology. (3). (Prerequisite: Consent of instructor). Three hours video and online. Study of eukaryotic cellular and sub-cellular structure and function; integration of cellular processes to understand the cell as a whole. (Intended for K-12 science teachers. Course cannot be used to satisfy degree requirements in a non-distance degree program).</p> <p>METHOD OF INSTRUCTION: C MEHTOD OF DELIVERY: O C.I.P. 26.0406 24-CHARACTER ABBREVIATION Adv Cell Biology</p> <p>Effective: Fall 2008</p>
ADD	BIO 8043	<p>Ecology and the Environment. (3). (Prerequisite: Consent of instructor). Three hours video and online. Investigation of biodiversity, ecological hierarchies, and interactions between biota and the environment. Includes an introduction to contemporary environmental science issues. (Intended for K-12 science teachers. Course cannot be used to satisfy degree requirements in a non-distance degree program).</p> <p>METHOD OF INSTRUCTION: C MEHTOD OF DELIVERY: O C.I.P. 26.0502 24-CHARACTER ABBREVIATION Mod Microbiology</p> <p>Effective: Fall 2008</p>

ADD	BIO 8053	<p>Comprehensive Study of Animals. (3). (Prerequisites: BIO 6023 or consent of instructor). Three hours video and online. Study of invertebrate and vertebrate animals, including reproduction, development, physiology, behavior, ecology, and evolution. (Intended for K-12 science teachers. Course cannot be used to satisfy degree requirements in a non-distance degree program).</p> <p>METHOD OF INSTRUCTION: C MEHTOD OF DELIVERY: O C.I.P. 26.0701 24-CHARACTER ABBREVIATION Comp Study of Animals</p> <p>Effective: Fall 2008</p>
ADD	BIO 8063	<p>Comprehensive Study of Plants. (3). (Prerequisites: BIO 6023 or sent of instructor). Three hours video and online. Study of plants from bryophytes to angiosperms, including growth, photosynthesis, respiration, nutrition, reproduction, ecology, and evolution. (Intended for K-12 science teachers. Course cannot be used to satisfy degree requirements in a non-distance degree program).</p> <p>METHOD OF INSTRUCTION: C MEHTOD OF DELIVERY: O C.I.P. 26.0301 24-CHARACTER ABBREVIATION Comp Study of Plants</p> <p>Effective: Fall 2008</p>
ADD	BIO 8073	<p>Research Methods in Biological Sciences for Interdisciplinary Sciences. (3). (Prerequisites: Fifteen hours of BIO graduate work and consent of instructor). Three hours video and online. Defining research problems and using analytical techniques in Biological Sciences. Exploring how research in Biological Sciences relates to other scientific fields. (Intended for K-12 science teachers. Course cannot be used to satisfy degree requirements in a non-distance degree program).</p> <p>METHOD OF INSTRUCTION: C MEHTOD OF DELIVERY: O C.I.P. 26.1102 24-CHARACTER ABB: Bio Methods MSIS</p> <p>Effective: Fall 2008</p>

ADD	BIO 8083	<p>Capstone in Interdisciplinary Sciences with and Emphasis on Biological Sciences. (3). (Prerequisites: Fifteen hours of BIO graduate work and consent of instructor). Two hours lecture. Three hours laboratory and observing. Provides field experience in the biological sciences through planned and supervised projects and field trips. (Intended for K-12 science teachers. Course cannot be used to satisfy degree requirements in a non-distance degree program).</p> <p>METHOD OF INSTRUCTION: C MEHTOD OF DELIVERY: F C.I.P. 26.0101 24-CHARACTER ABBREVIATION Capstone Bio MAIS</p> <p>Effective: Fall 2008</p>
ADD	BIO 8093	<p>Experimental Biology and Biostatistics. (3). (Prerequisite: consent of instructor). Three hours video and online. Experimental design and methods for statistical analysis of biological data, with an emphasis on inquiry using the scientific method. (Intended for K-12 science teachers. Course cannot be used to satisfy degree requirements in a non-distance degree program).</p> <p>METHOD OF INSTRUCTION: C MEHTOD OF DELIVERY: O C.I.P. 26.1102 24-CHARACTER ABBREVIATION Expem Bio & Biostats</p> <p>Effective: Fall 2008</p>
ADD	HI 3613	<p>History of the Life Sciences. (3). Three hours seminar. A survey of the historical development of the life sciences in Western culture since 1800, with respect to their social, intellectual, and political contexts.</p> <p>METHOD OF INSTRUCTION: C MEHTOD OF DELIVERY: F C.I.P. 51.0104 24-CHARACTER ABBREVIATION History of Life Sciences</p> <p>Effective: Fall 2008</p>

ADD	MA 6013	<p>Applied Mathematics for Interdisciplinary Sciences. (3). (Prerequisite: MA 1313 or equivalent). Three hours video and online. Mathematics necessary for applications in physical sciences. Topics include algebraic and transcendental functions and introductions to differentiation and integration. (Intended for K-12 science teachers. Course cannot be used to satisfy degree requirements in a non-distance degree program).</p> <p>METHOD OF INSTRUCTION: C MEHTOD OF DELIVERY: O C.I.P. 27.0399 24-CHARACTER ABBREVIATION Applied Math for MAIS</p> <p>Effective: Fall 2008</p>
ADD	MA 6023	<p>Theory of Equations for Interdisciplinary Sciences. (3). (Prerequisite: MA 1313 or equivalent.) Three hours video and online. Topics include complex numbers; polynomials and their properties; roots of algebraic equations; systems of linear equations, determinants and matrices. (Intended for K-12 science teachers. Course cannot be used to satisfy degree requirements in a non-distance degree program).</p> <p>METHOD OF INSTRUCTION: C MEHTOD OF DELIVERY: F C.I.P. 27.0102 24-CHARACTER ABBREVIATION Theory Equation for MAIS</p> <p>Effective: Fall 2008</p>
ADD	MA 6033	<p>Studies in Applied Probability and Statistics. (3). (Prerequisite: MA 2113 (Same as ST 2113) or equivalent). Three hours video and online. Topics include graphical methods of presenting data; analysis of data; probability, binomial distribution; normal distribution; random sampling; linear regression and correlation. (Intended for K-12 science teachers. Course cannot be used to satisfy degree requirements in a non-distance degree program.)</p> <p>METHOD OF INSTRUCTION: C MEHTOD OF DELIVERY: F C.I.P. 27.0502 24-CHARACTER ABB: Applied Stats for MAIS</p> <p>Effective: Fall 2008</p>

BUSINESS AND INDSTRY

ADD	MKT 2231	<p>Golf Professional Development I. (1). (Prerequisite: Completion of MKT 2221). One hour lecture. This course prepares students for creating, administering, and evaluating golf tournaments. Students will also be introduced to golf car fleet management.</p> <p>METHOD OF INSTRUCTION: C MEHTOD OF DELIVERY: F C.I.P. 52.1401 24-CHARACTER ABBREVIATION Golf Professional Dev I</p> <p>Effective: Fall 2008</p>
ADD	MKT 2241	<p>Golf Professional Development II. (1). (Prerequisite: Completion of MKT 2231). One hour lecture. This course introduces students to business planning, financial forecasting, and budgeting as it relates to golf operations. Students will also be introduced to strategies in dealing with customers.</p> <p>METHOD OF INSTRUCTION: C MEHTOD OF DELIVERY: F C.I.P. 52.1401 24-CHARACTER ABBREVIATION Golf Professional Dev II</p> <p>Effective: Fall 2008</p>
ADD	MKT 2251	<p>Golf Form and Technique Analysis. (1). (Prerequisite: Completion of MKT 2241, completion of PGA PGM Level 1). One hour lecture. Study of the golf swing, developing methods to improve a golfers playing ability, and manage a teaching operation.</p> <p>METHOD OF INSTRUCTION: C MEHTOD OF DELIVERY: F C.I.P. 52.1401 24-CHARACTER ABBREVIATION Golf Form & Tech Analys</p> <p>Effective: Fall 2008</p>

VETERINARY MEDICINE

ADD	CVM 8323	<p>Zoonotic Disease in Public Health. (3). Three hours lecture. Major Zoonotic diseases affecting humans, their role in bioterrorism, CDC category A and B disease are studied, with focus on epidemiology and prevention.</p> <p>METHOD OF INSTRUCTION: C MEHTOD OF DELIVERY: X C.I.P. 51.2501 24-CHARACTER ABBREVIATION Gross Vet Path</p> <p>Effective: Fall 2008</p>
ADD	CVM 8711	<p>Gross Veterinary Pathology Seminar. (1). (Prerequisite: CVM 5044 or consent of instructor). One hour seminar. Weekly seminar on the gross pathologic lesions of diseases. Emphasis will be on classical diseases and gross changes encountered and brief discussion of pathogenesis and etiology. (May be repeated for credit).</p> <p>METHOD OF INSTRUCTION: S MEHTOD OF DELIVERY: F C.I.P. 51.2501 24-CHARACTER ABBREVIATION Gross Vet Path</p> <p>Effective: Fall 2008</p>

2. DEGREE PROPOSALS

AGRICULTURAL AND LIFE SCIENCES

<p>Modify Fr: Degree: Master of Agribusiness Management</p> <p>To: Degree: Master of Agribusiness Management Track: Agribusiness/Business major Track: Non-Business major</p>	<p>Modify the Master of Agribusiness Management degree to include two tracks: 1) for students who have an undergraduate agribusiness or business major; and 2) for students who do not have an undergraduate agribusiness or business.</p> <p>Effective: Fall 2008</p>
<p>Modify Degree: Master of Science in Agriculture Concentration: Agricultural Economics</p>	<p>Change to the required and elective courses for the concentration.</p> <p>Effective: Fall 2008</p>

ARTS AND SCIENCES

<p>Add Diversity Certificate</p>	<p>Add a Graduate-level Diversity Certificate Distance Education Program.</p> <p>Effective: Fall 2008</p>
<p>Add Master of Science in General Biology</p>	<p>Add a Master of Science in General Biology Distance Education degree.</p> <p>Effective: Fall 2008</p>

3. AOCE COURSE AND DEGREE PROPOSALS

AGRICULTURE AND LIFE SCIENCES

<p>AEC 8713 Rural Community and Economic Development</p>
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ARTS AND SCIENCES

<p>BIO 6013 Genetics and Molecular Biology</p>
<p>BIO 6023 Principles of Evolutionary Biology</p>
<p>BIO 6033 Fundamentals of Biotechnology</p>

BIO 6043 Development and Reproductive Biology
BIO 8023 Modern Microbiology
BIO 8033 Advanced Cell Biology
BIO 8043 Ecology and the Environment
BIO 8053 Comprehensive Study of Animals
BIO 8063 Comprehensive Study of Plants
BIO 8073 Research Methods in Biological Sciences for Interdisciplinary Sciences
BIO 8083 Capstone in Interdisciplinary Sciences w/ an Emphasis in Biological Sciences
BIO 8093 Experimental Biology and Biostatistics
BIO 8183 Capstone in Modern Biology
MA 6013 Applied Mathematics for Interdisciplinary Sciences
MA 6023 Theory of Equations for Interdisciplinary Sciences
MA 6033 Studies in Applied Probability and Statistics

Diversity Certificate (Graduate level)
Master of Science in General Biology

ENGINEERING

ECE 7000 Directed Individual Study
ECE 8000 Research/Thesis
ECE 8443 Pattern Recognition
ECE 9000 Research/Dissertation

Master of Science in Computer Engineering
Doctor of Philosophy in Computer Engineering
Master of Science in Electrical Engineering
Doctor of Philosophy in Electrical Engineering

VETERINARY MEDICINE

CVM 8323 Zoonotic Disease in Public Health
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4. MAYMESTER

AGRICULTURE AND LIFE SCIENCES

HS 4813/6813 Adult Development: The Middle Years
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ARTS AND SCIENCES

PS 4703 Principles of Public Administration

All of the proposals were approved with the exception of the following:

Proposals**

Dr. Jerome A. Gilbert
Associate Vice President for Academic Affairs

Date