

MEMORANDUM

March 4, 2002

TO: Academic Deans Council

FROM: Dr. Keith L. Belli
UCCC Chair

RE: Change Notice 5

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 March 15, 2002 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.

AGRICULTURE AND LIFE SCIENCES

Modify	AEC 8533	International Agricultural Trade and Policy. (3) (Prerequisite: EC 8163). Three hours lecture. Examination of theories of international trade, policies affecting international trade of agricultural products, empirical studies of international trade, and the role of agricultural trade in the economic development progress.
To:	AEC 8532	International Agricultural Trade and Policy. (2) (Prerequisite: EC 8163). Two hours lecture. Examination of international trade theories, policies affecting agriculture, international trade, world trade negotiations, barriers to trade, and the role of agricultural trade in the economic development.
Effective: Spring 2002		

<p>Modify LA 3412</p> <p>To: LA 3652</p>	<p>Case Studies of Executed Works in Landscape Architecture. (2) (Prerequisite: LA 3424 Landscape Architecture Design III). Special five to ten day on-site observation visit for the study of notable LA projects and construction methods with lectures.</p> <p>Case Studies of Executed Works in Landscape Architecture. (2) (Prerequisite: LA 3655). Special five to ten day on-site observation visit for the study of notable LA projects and construction methods with lectures.</p> <p>Effective: Spring 2002</p>
<p>Modify NTR 8593</p> <p>To: NTR 6333</p>	<p>Fish and Shellfish Nutrition. (3) (Prerequisites: CH 2503 and CH 2501 or BCH 3613). Three hours lecture. Fundamental and applied aspects of crustacean, and molluscan nutrition including feeding habits and behavior, digestive anatomy and physiology, nutrient requirements, and applications to aquiculture. (Same as WF 8593).</p> <p>Fish and Shellfish Nutrition. (3) (Prerequisites: CH 2503 and CH 2501 or BCH 3613). Three hours lecture. Fundamental and applied aspects of the nutrition of fish, crustacean, and mollusk species including feeding behavior, nutritional ecology, energetics, and nutrient requirements. (Same as WF 4333/6333).</p> <p>Effective: Spring 2003</p>
<p>Add PSS 4411-4441/ 6411-6441</p>	<p>Remote Sensing Seminar. (1) One hour lecture. (Prerequisite: Junior Standing). Lectures by remote sensing experts from industry, academia, and governmental agencies on next-generation systems, applications, and economic and societal impact of remote sensing.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER: 02.0403 24-CHARACTER ABBREVIATION: Remote Sensing Seminar</p> <p>Effective: Fall 2002</p>

<p>Modify MA 1313</p> <p>To: MA 1313</p>	<p>College Algebra. (3) (Students with credit in MA 1713 will not receive credit for this course). Three hours lecture. Review of fundamentals; linear and quadratic equations; inequalities; functions; simultaneous equations; topics in the theory of equations.</p> <p>College Algebra. (3) (Students with credit in MA 1713 will not receive credit for this course. Prerequisite: ACT math subscore 20, or grade of C or better in MA 0103). Three hours lecture. Review of fundamentals; linear and quadratic equations; inequalities; functions; simultaneous equations; topics in the theory of equations.</p> <p>Effective: Fall 2002</p>
<p>Modify MA 1323</p> <p>To: MA 1323</p>	<p>Trigonometry.(Students with credit in MA 1713 will not receive credit for this course). Three hours lecture. The trigonometric functions: identities; trigonometric equations; applications.</p> <p>Trigonometry. (3) (Students with credit in MA 1713 will not receive credit for this course. Prerequisites: ACT Math subscore 24, or grade of C or better in MA 1313). Three hours lecture. The trigonometric functions: identities; trigonometric equations; applications.</p> <p>Effective: Fall 2002</p>
<p>Modify MA 1463</p> <p>To: MA 1463</p>	<p>Finite Mathematics and Introduction to Calculus.(3) (Prerequisite: MA 1313) Three hours lecture. Matrices and systems of linear equations; introduction to calculus.</p> <p>Finite Mathematics and Introduction to Calculus. (3) (Prerequisite: ACT Math subscore 24, or grade of C or better in MA 1313). Three hours lecture. Matrices and systems of linear equations; introduction to calculus.</p> <p>Effective Fall 2002</p>

<p>Modify MA 1613</p> <p>To: MA 1613</p>	<p>Calculus for Business and Life Sciences I. (3) (Prerequisite: MA 1313 or equivalent.) Three hours lecture. Algebraic and some transcendental functions, solutions of systems of linear equations, limits, continuity, derivatives, applications.</p> <p>Calculus for Business and Life Sciences I. (3) (Prerequisite: ACT Math subscore 24, or grade of C or better in MA 1313). Three hours lecture. Algebraic and some transcendental functions, solutions of systems of linear equations, limits, continuity, derivatives, applications.</p> <p>Effective: Fall 2002</p>
<p>Modify MA 1713</p> <p>To: MA 1713</p>	<p>Calculus I. (3) (Prerequisite: MA 1313 and MA 1323 or equivalent). Three hours lecture. Analytic geometry; functions; limits; continuity; derivatives of algebraic functions; applications of the derivative.</p> <p>Calculus I. (3) (Prerequisite: ACT Math subscore 26, or grade of C or better in 1323). Three hours lecture. Analytic geometry; functions; limits continuity; derivatives of algebraic functions; applications of the derivative.</p> <p>Effective: Fall 2002</p>
<p>Add 8293 SO</p>	<p>Structural Equations Modeling with Latent Variables in Sociology. (3) (Prerequisites: SO 8284 or equivalent). Three hours lecture. The application of structural equation modeling techniques to sociological problems containing unobserved variables, focusing on estimation and interpretation of model parameters with errors of measurement.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER:45.1101 24-CHARACTER ABBREVIATION: Structural Equations</p> <p>Effective: Spring 2002</p>

EDUCATION

<p>Add PE 1112</p>	<p>Teaching Team Sports. (2) One hour lecture. Two hours laboratory. Theory of and participation in non-traditional and traditional team sports. Analysis of skills, discussion of developmental appropriateness, terms, basic rules and teaching strategies.</p> <p>METHOD OF INSTRUCTION: B C.I.P. NUMBER:31.0501 24-CHARACTER ABBREVIATION: Intro to Exerc Science</p> <p>Effective: Fall 2002</p>
<p>Add PE 1122</p>	<p>Teaching Individual and Dual Sports. (2) One hour lecture. Two hours laboratory. Theory of and participation in non traditional and traditional individual and dual sports. Analysis of skills, discussion of developmental appropriateness, terms, basic rules and teaching strategies</p> <p>METHOD OF INSTRUCTION: B C.I.P. NUMBER:31.0504 24-CHARACTER ABBREVIATION: Teaching Ind/Dual Sports</p> <p>Effective: Fall 2002</p>
<p>Add PE 1132</p>	<p>Teaching Lifetime Activities. (2) One hour lecture. Two hours laboratory. Activities, methods and theories within outdoor education. Introduction of concepts, activities, technologies and teaching methods for strength training, aerobic conditioning, fitness assessment and stress management.</p> <p>METHOD OF INSTRUCTION: B C.I.P. NUMBER:31.0501 24-CHARACTER ABBREVIATION: Teaching Lifetime Activ</p> <p>Effective: Fall 2002</p>

<p>Modify PE 1143</p> <p>To: PE 1142</p>	<p>Teaching Rhythms. (3) Two hours lecture. Two hours laboratory. Instruction, demonstration, skill development, and teaching techniques in the areas of square, folk, and contemporary dance.</p> <p>Teaching Rhythms. (2) One hour lecture. Two hours laboratory. Instruction, demonstration, skill development, and teaching techniques in the areas of square, folk, and contemporary dance.</p> <p>Effective: Fall 2002</p>
<p>Add PE 1213</p>	<p>Introduction to Exercise Science. (3) Three hours lecture. This course is designed to provide students an overall understanding of the professions within Exercise Science.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER:31.0505 24-CHARACTER ABBREVIATION: Intro to Exerc Science</p> <p>Effective: Fall 2002</p>
<p>Modify PE 3133</p> <p>To: PE 3133</p>	<p>Adaptive Physical Education. (3) (Prerequisite: Consent of the instructor). Two hours lecture. Two hours laboratory. A study of the psychomotor domain with emphasis on identifying handicapping problems and developing instructional strategies for remediating these problems.</p> <p>Adapted Physical Education. (3) (Prerequisite: Consent of the instructor). Two hours lecture. Two hours laboratory. A study of the psychomotor domain with emphasis on identifying handicapping problems and developing instructional strategies for remediating these problems.</p> <p>Effective: Fall 2002</p>

<p>Add PE 3153</p>	<p>Methods of Elementary Physical Education. (3) Three hours lecture. Designed to provide students with knowledge and practical experience that will enhance their effectiveness in teaching physical education to pre-school through fifth grade students.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER:31.0501 24-CHARACTER ABBREVIATION: Methods of Elem PE</p> <p>Effective: Fall 2002</p>
<p>Add PE 3173</p>	<p>Measurement and Evaluation in Exercise Science. (3) Three hours lecture. Emphasis is placed on fitness assessment and statistical interpretation of data related to fitness.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER:31.0505 24-CHARACTER ABBREVIATION: Meas & Eval Exer Science</p> <p>Effective: Fall 2002</p>
<p>Modify PE 4113/6113</p> <p>To: PE 4113/6113</p>	<p>Fitness Programs and Testing Procedures. (3) (Prerequisite: PE 3303). Two hours lecture. Two hours laboratory. Provide study of and practice in conducting adult fitness programs and fitness testing procedures.</p> <p>Fitness Program and Testing Procedures. (3) (Prerequisites: PE 3303 and PE 3173). Two hours lecture. Two hours laboratory. Provide study of and practice in conducting adult fitness programs and fitness testing procedures.</p> <p>Effective: Fall 2002</p>

<p>Modify CE 3824</p> <p>To: CE 3824</p>	<p>Environmental Engineering. (4) (Prerequisite: Grade C or better in EM 3313). Three hours lecture. Three hours laboratory. Emphasis on water supply and treatment, wastewater treatment and disposal, air pollution control and solid waste management.</p> <p>Environmental Engineering. (4) (Prerequisite: Grade C or better in EM 3313; credit or current enrollment in IE 4613). Three hours lecture. Three hours laboratory. Emphasis on water supply and treatment, wastewater treatment and disposal, air pollution control and solid waste management.</p> <p>Effective: Fall 2002</p>
<p>Add CE 4601</p>	<p>Fundamentals of Structural Design. (1) (Prerequisites: IE 4613; a grade of “C” or better in CE 3603; Co-requisite: CE 4623 or CE 4633). Three hours laboratory. Concepts of structural design common to all Civil Engineering structural design courses; advanced load analyses in structural engineering; introduction to structural design software.</p> <p>METHOD OF INSTRUCTION: L C.I.P. NUMBER: 14.0803 24-CHARACTER ABBREVIATION: Fund of Struct Design</p> <p>Effective: Fall 2002</p>
<p>Modify CE 4143/6143</p> <p>To: CE 4143/6143</p>	<p>Traffic Engineering. (3) (Prerequisite: CE 3113). Three hours lecture. Human and vehicular characteristics as they affect highway traffic flow; traffic regulations, accident cause and prevention; improving flow on existing facilities; planning traffic systems.</p> <p>Traffic Engineering. (3) (Prerequisite: CE 3113 and IE 4613). Three hours lecture. Human and vehicular characteristics as they affect highway traffic flow; traffic regulation, accident cause and prevention; improving flow on existing facilities; planning traffic systems.</p> <p>Effective: Fall 2002</p>

Modify	CE 4623	Steel Structures. (3) (Prerequisite: Grade of “C” or better in CE 3603). Three hours lecture. Analysis and design of metal structures, with emphasis on members and joints.
To:	CE 4623	Steel Structures. (3) (Prerequisite: Grade of “C” or better in CE 3603; credit or current enrollment in CE 4601). Three hours lecture. Analysis and design of metal structures, with emphasis on members and joints. Effective: Fall 2002
Modify	CE 4633	Concrete Structures. (3) (Prerequisite: Grade of C or better in CE 3603). Three hours lecture. Theory and problems in the analysis and design of concrete structures.
To:	CE 4633	Concrete Structures. (3) (Prerequisite: Grade of C or better in CE 3603; credit or current enrollment in CE 4601). Three hours lecture. Theory and problems in the analysis and design of concrete structures. Effective: Fall 2002
Modify	CE 4653/6653	Timber Design. (3) (Prerequisite: CE 3603). Three hours lecture. Engineering properties of wood. Design of wood structural members and connections. Wood structural systems.
To:	CE 4653/6653	Timber Design. (3) (Prerequisite: Grade of “C” or better in CE 3603; credit or current enrollment in CE 4601). Three hours lecture. Engineering properties of wood. Design of wood structural members and connections. Wood structural systems. Effective: Fall 2002

<p>Modify CE 4673/6673</p> <p>To: CE 4673/6673</p>	<p>Bridge Design. (3) (Prerequisite: CE 4623 and/or CE 4633). Three hours lecture. AASHTO loading specifications. Designs of structural systems commonly used for bridge construction. Comprehensive design assignments for typical bridge layouts.</p> <p>Bridge Design. (3) (Prerequisite: CE 4601 and CE 4633). Three hours lecture. AASHTO loading specifications. Designs of structural systems commonly used for bridge construction. Comprehensive design assignments for typical bridge layouts.</p> <p>Effective: Fall 2002</p>
<p>Add CE 4693/6693</p>	<p>Reliability of Structures. (3) (Prerequisite: IE 4613; credit or current enrollment in CE 4623 or CE 4633, or consent of instructor). Three hours lecture. Introduction to the theory of structural reliability. Topics include probabilistic measures of safety, load models, resistance models, component and system reliability, optimization of design codes.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER: 14.0803 24-CHARACTER ABBREVIATION: Reliability of Structure</p> <p>Effective: Fall 2002</p>
<p>Add EG 1142</p>	<p>Engineering Graphics. (2) Two hours lecture. One hour demonstration. Presentation of sketching techniques, lettering and computer aided drafting with traditional engineering drawing topics, including orthographic projection, engineering documentation, auxiliary views, and working drawings.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER: 48.0101 24-CHARACTER ABBREVIATION: Engineering Graphics</p> <p>Effective: Fall 2002</p>

Modify	WF 4263/6263	Wildlife Diseases. (3) Two hours lecture. Four hours laboratory, alternate weeks. Parasites and diseases of wild birds and mammals, including effects of diseases on game populations, socio-economic effects, and management of wildlife diseases.
To:	WF 4263/6263	Wildlife Diseases. (3) Two hours lecture. Four hours laboratory, alternate weeks. Effects and management of parasites and diseases in wild bird and mammal populations. (Same as CVM 4263/6263). Effective: Spring 2002
Modify	WF 8593	Fish and Shellfish Nutrition. (3) (Prerequisites: CH 2503 and CH 2501 or BCH 3613). Three hours lecture. Fundamental and applied aspects of fish, crustacean, and molluscan nutrition including feeding habits and behavior, digestive anatomy and physiology, nutrient requirements, and applications to aquiculture.
To	WF 4333/6333	Fish and Shellfish Nutrition. (3) (Prerequisites: CH 2503 and CH 2501 or BCH 3613). Three hours lecture. Fundamental and applied aspects of the nutrition of fish, crustacean, and mollusk species including feeding behavior, nutritional ecology, energetics, and nutrient requirements. (Same as NTR 6333). Effective: Spring 2003

VETERINARY MEDICINE

Add	WF 4263/6263	Wildlife Diseases. (3) Two hours lecture. Four hours laboratory, alternate weeks. Effects and management of parasites and diseases in wild bird and mammal populations. (Same as WF 4263/6263) METHOD OF INSTRUCTION: C C.I.P. NUMBER: 51.2401 24-CHARACTER ABBREVIATION: Wildlife Diseases. Effective: Spring 2002
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PROGRAMS

Modify	College of Ag and Life Sciences, Bachelor of Science-Biochemistry and Molecular Biology.	Change in computer literacy requirement. Effective: Spring 2002
Modify	College of Education, Bachelor of Science - Secondary Education, Mathematics	Change in curriculum hours. Effective: Fall 2002
Modify	College of Education, Bachelor of Science - Physical Education, Teaching/Coaching	Change in curriculum Effective: Fall 2002
Modify	College of Education, Bachelor of Science - Physical Education, Clinical Exercise Physiology	Change in required courses Effective: Fall 2002
Modify	College of Education, Bachelor of Science -Physical Education, Fitness Management	Change in required courses. Effective: Fall 2002
Modify	College of Engineering, Bachelor of Science - Civil Engineering.	Change in curriculum. Effective: Fall 2002
Modify	College of Education, Education Specialist Degree, School Psychology	Change in offering. Effective: Fall 2002

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

Proposals**

The Academic Deans Council
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March 4, 2002

Dr. George Rent
Associate Vice President for Academic Affairs

Date

**Please include copies of letters accompanying proposals that are returned to departments.