

MEMORANDUM

May 9, 2003

TO: Academic Deans Council

FROM: Dr. Keith L. Belli
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 May 16, 2003 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

ADD	AIS 3003 Information Interpretation in Agriculture and Life Sciences. (3) (Prerequisite: ST 2113 or ST 3113). Three hours lecture. Understanding and interpreting research-based information to enable students to create, utilize, and disseminate information to solve problems in agriculture and the life sciences. METHOD OF INSTRUCTION: C C.I.P. NUMBER: 02.0101 24-CHARACTER ABBREVIATION: Info Interpret Ag Life Sci Effective: Fall 2003
-----	---

<p>MODIFY FROM: AIS 3203</p> <p>TO:</p>	<p>Introduction to Technical Writing in Agricomunications. (3) Three hours lecture. Basic principles of and techniques in communicating information relevant to agriculture/agribusiness, natural resources, and home economics.</p> <p>Introduction to Technical Writing in Agricomunications. (3) (Prerequisite: Completion of EN 1103 and 1113 or equivalent and Junior Standing). Three hours lecture. Basic principles of and techniques in communicating information relevant to agriculture/agribusiness, natural resources and human sciences.</p> <p>Effective: Fall 2003</p>
<p>MODIFY FROM: HS 4403</p> <p>TO: HS 4403/6403</p>	<p>Introduction to Gerontology. (3) Three hours lecture. An introduction of the aging process and strategies for maximizing life satisfaction during aging.</p> <p>Introduction to Gerontology. (3) Three hours lecture. An introduction of the aging process and strategies for maximizing life satisfaction during aging.</p> <p>Effective: Fall 2003</p>
<p>MODIFY FROM: PSS 2423</p> <p>TO:</p>	<p>Plant Materials I. (3) Six hours laboratory. Characteristics, identification, and landscape uses of ornamental tree, shrubs, vines, flowers, and grasses adapted to Southern conditions.</p> <p>Plant Materials I. (3) Two hours laboratory. Two hours laboratory. Characteristics, identification, and landscape uses of ornamental tree, shrubs, vines, flowers, and grasses adapted to Southern conditions.</p> <p>Effective: Fall 2003</p>

MODIFY PSS 3473 FROM: TO:	<p>Plant Materials II. (3) (Prerequisite: PSS 2423). Six hours laboratory. Continuation of PSS 2423.</p> <p>Plant Materials II. (3) (Prerequisite: PSS 2423). Two hours lecture. Two hours laboratory. Continuation of PSS 2423.</p> <p>Effective: Fall 2003</p>
-------------------------------------	---

ARTS & SCIENCES

REVIEW AN 4163/6163	<p>Anthropology of International Development. (3) (Prerequisite: Senior standing or consent of instructor). Three hours lecture. Role of anthropology in international development including origins of the Third World, development theory, current issues in international development, case studies.</p> <p>Effective: Fall 2003</p>
REVIEW BIO 4103/6103	<p>Experimental Genetics. (3) (Prerequisite: BIO 3103 or consent of instructor). Six hours laboratory. Mechanisms of transmission of genetic information with first-hand experience including such mechanisms from experimental data. Emphasis is on lab. (Fall/Spring).</p> <p>Effective: Fall 2003</p>
REVIEW BIO 8104	<p>Experimental Molecular Biology. (4) (Prerequisite: Consent of instructor). One hour lecture. Six hours laboratory. Practical experience with the molecular analysis of gene function.</p> <p>Effective: Spring 2003</p>

REVIEW	BIO 8463	<p>Advanced Bacterial Genetics. (3) (Prerequisite: BCH 4713 or BIO 4443, or consent of instructor). Three hours lecture. Discussion of current concepts of genetic transfer and regulation in various bacteria. Emphasis will be on use of genetics as an experimental tool. (Fall, even).</p> <p>Effective: Spring 2003</p>
REVIEW	MA 8123	<p>Modern Higher Algebra II. (3) (Prerequisite: MA 8113). Three hours lecture. A continuation of the topics introduced in MA 8113.</p> <p>Effective: Fall 2003</p>
REVIEW	MA 8383	<p>Numerical Solution of Ordinary Differential Equations I. (3) (Prerequisites: MA 4313/6313 and MA 4323/6323). Three hours lecture. General single-step, multistep, multivalued, and extrapolation methods for systems of nonlinear equations; convergence; error bounds; error estimates; stability; methods for stiff systems; current literature.</p> <p>Effective: Fall 2003</p>
REVIEW	MA 8393	<p>Numerical Solutions of Ordinary Differential Equations II. (3) (Prerequisite: MA 8383). Three hours lecture. A continuation of topics introduced in MA 8383.</p> <p>Effective: Fall 2003</p>
REVIEW	MA 8473	<p>Advanced Numerical Analysis I. (3) (Prerequisite: MA 4933/6933). Three hours lecture. Approximation theory. Theoretical aspects of computational mathematics.</p> <p>Effective: Fall 2003</p>
REVIEW	MA 8483	<p>Advanced Numerical Analysis II. (3) (Prerequisite: MA 8473). Three hours lecture. Approximation solution of linear and nonlinear operator equations.</p> <p>Effective: Fall 2003</p>

REVIEW	MA 8713	<p>Complex Analysis I. (3) (Perquisite: MA 4943/6943 or consent of instructor). Three hours lecture. Complex numbers; functions of a complex variable; continuity; differentiation and integration of complex functions; transformations in the complex plane.</p> <p>Effective: Fall 2003</p>
REVIEW	MA 8723	<p>Complex Analysis II. (3) (Prerequisite: MA 8713). Three hours lecture. Series; analytic continuation; Riemann surfaces; theory of residues.</p> <p>Effective: Fall 2003</p>
REVIEW	MA 9163	<p>Selected Topics in Combinatorics (3) (Prerequisites: MA 8133 or consent of instructor), (May be taken for credit more than once). Three hours lecture. Continuation of one or more advanced topics introduced in MA 8133.</p> <p>Effective: Fall 2003</p>
REVIEW	MA 9413	<p>Selected Topics in Numerical Analysis. (3) (Prerequisite: Consent of instructor). (May be taken for credit more than once). Three hours lecture. Current topics in Numerical Analysis. The subject matter may vary from year to year.</p> <p>Effective: Fall 2003</p>
REVIEW	MA 9913	<p>Selected Topics in Algebra. (3) (Prerequisite: MA 8123 and consent of instructor). (May be taken for credit more than once). Three hours lecture. Topics to be chosen from such areas as valuation theory; polynomial rings; Noetherian, Prufer, Dedekind, and other domains of classical ideal theory; nonassociative algebraic systems.</p> <p>Effective: Fall 2003</p>

REVIEW	PH 8513	Statistical Mechanics. (3) (Prerequisites: PH 4713 and PH 4413). Classical and Quantum Statistical Mechanics and statistical interpretation of thermodynamic quantities. Effective: Fall 2003
REVIEW	PH 8613	Nuclear Physics I. (3) (Prerequisite: PH 4723). Nuclear two-body problem and nuclear forces. Interpretation of experimental data through a study of nuclear models. Nuclear reactions and spectroscopy. Effective: Fall 2003
REVIEW	PH 8623	Nuclear Physics II. (3) (Prerequisites: PH 8613, PH 8743). Elementary particle theory and interpretation of experimental data. Effective: Fall 2003
REVIEW	PH 8813	Solid State Physics. (3) (Prerequisite: PH 8743). Theoretical interpretation of thermal, electric, and magnetic properties of solids. Effective: Fall 2003
REVIEW	PS 4593/6593	Latin American Politics. (3) (Prerequisites: PS 1513 and Junior standing). Three hours lecture. Background, organization, and structure of the governments of the various Latin American countries. Effective: Fall 2003

<p>ADD PSY 4353/6353</p>	<p>Psychology and the Law. (3) (Prerequisite: PSY 1013 and Junior standing). Three hours lecture. Examination of the roles of psychologists in the legal system; application of psychological theory and research to issues in the legal system.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER: 42.1601 24-CHARACTER ABBREVIATION: Psychology and the law</p> <p>Effective: Fall 2003</p>
<p>ADD PSY 8111</p>	<p>Scientist-Practitioner Applications . (1) (Prerequisite: Consent of instructor). Two hours laboratory. A minimum of two hours per week in supervised service delivery and research activities of clinical psychologists.</p> <p>METHOD OF INSTRUCTION: H C.I.P. NUMBER: 42.0101 24-CHARACTER ABBREVIATION: Scientist-Pract Applic</p> <p>Effective: Fall 2003</p>
<p>ADD PSY 8121</p>	<p>Scientist-Practitioner Applications . (1) (Prerequisite: Consent of instructor). Two hours laboratory. A minimum of two hours per week in supervised service delivery and research activities of clinical psychologists.</p> <p>METHOD OF INSTRUCTION: H C.I.P. NUMBER: 42.0101 24-CHARACTER ABBREVIATION: Scientist-Pract Applic</p> <p>Effective: Fall 2003</p>

ADD	PSY 8131	Scientist-Practitioner Applications . (1) (Prerequisite: Consent of instructor). Two hours laboratory. A minimum of two hours per week in supervised service delivery and research activities of clinical psychologists. METHOD OF INSTRUCTION: H C.I.P. NUMBER: 42.0101 24-CHARACTER ABBREVIATION: Scientist-Pract Applic Effective: Fall 2003
ADD	PSY 8141	Scientist-Practitioner Applications . (1) (Prerequisite: Consent of instructor). Two hours laboratory. A minimum of two hours per week in supervised service delivery and research activities of clinical psychologists. METHOD OF INSTRUCTION: H C.I.P. NUMBER: 42.0101 24-CHARACTER ABBREVIATION: Scientist-Pract Applic Effective: Fall 2003
ADD	PSY 8151	Scientist-Practitioner Applications . (1) (Prerequisite: Consent of instructor). Two hours laboratory. A minimum of two hours per week in supervised service delivery and research activities of clinical psychologists. METHOD OF INSTRUCTION: H C.I.P. NUMBER: 42.0101 24-CHARACTER ABBREVIATION: Scientist-Pract Applic Effective: Fall 2003

<p>MODIFY PSY 8353 FROM:</p> <p>TO:</p>	<p>Intelligence Testing. (3) (Prerequisite: Consent of Instructor). One hour lecture, two hours practicum. Administration, scoring, and interpretation of the standard psychometric instruments in evaluating individual intellectual functioning.</p> <p>Intelligence Testing. (3) (Prerequisite: Consent of Instructor). Three hours lecture. Two hours laboratory. Administration, scoring, and interpretation of the standard psychometric instruments in evaluating individual intellectual functioning.</p> <p>Effective: Fall 2003</p>
<p>REVIEW SO 3333</p>	<p>Society and Religion. (3) Three hours lecture. Religion as an institution. Examines the social origins of religion and its functions, both positive and negative, in social movements, social control and politics. (Same as REL 3333).</p> <p>Effective: Spring 2003</p>

BUSINESS AND INDUSTRY

<p>MODIFY ACC 8043 FROM:</p> <p>TO:</p>	<p>Information Technology Auditing. (3) (Prerequisite: ACC 3053 and ACC 033). Three hours lecture. Developing and executing a program of procedures to assess the reliability of information generated by computerized accounting systems.</p> <p>Fraud Examination. (3) (Prerequisites: ACC 3053 and ACC 4033). Three hours lecture. Developing and executing a program of procedures to detect errors and frauds using information generated by computerized accounting systems.</p> <p>Effective: Fall 2003</p>
--	---

<p>MODIFY FROM: BIS 3233</p> <p>TO:</p>	<p>Introduction to Management Information System. (3) (Prerequisite: BIS 1013). Three hours lecture. A survey of the components, functions, and processes of Information Systems as they relate to managing modern organization for increased efficiency and competitiveness.</p> <p>Introduction to Management Information System. (3) (Prerequisite: BIS 1013). Three hours lecture. A survey of the components, functions, and processes of Information Systems as they relate to managing modern organization for increased efficiency and competitiveness.</p> <p>Effective: Fall 2003</p>
<p>MODIFY FROM: BIS 8612</p> <p>TO: BIS 8613</p>	<p>Managing in the Global Business Environment. (2) Two hours lecture. Analysis of the global environment elements which impact and are impacted by organizations: global politics and economics, culture, international competition, natural resources, technology. (Same IB 8612).</p> <p>Managing in the Global Business Environment. (3) Three hours lecture. Analysis of the global environmental elements which impact and are impacted by organizations: global politics and economics, culture, international competition, natural resources, technology.</p> <p>Effective: Summer 2003</p>

EDUCATION

<p>ADD EDE 3223</p>	<p>Middle Grades Education. (3) Three hours lecture. Understanding the learning needs of middle grades children (grades 4-8); study of appropriate teaching strategies, engaging learning environments, and assessment for middle grades children.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER: 13.1202 24-CHARACTER ABBREVIATION: Middle Grades Education</p> <p>Effective: Fall 2003</p>
<p>REVIEW HED 8143</p>	<p>Seminar in University and Community College Education. (3) Three hours lecture. An in-depth analysis of current problems, strengths and issues confronting community and university administrators.</p> <p>Effective: Spring 2003</p>
<p>REVIEW HED 8710</p>	<p>Practicum in University and Community College Education. (1-3) Observation and supervision teaching activities in a university or community college.</p> <p>Effective: Spring 2003</p>

ENGINEERING

<p>MODIFY FROM: ABE 3303</p> <p>TO:</p>	<p>Transport in Biological Engineering. (3) (Prerequisite: PH 2233 and CS 1213 or equivalent). Three hours lecture. Principles of steady state and unsteady state energy and mass transfer as applied to biological systems.</p> <p>Transport in Biological Engineering. (3) (Prerequisite: PH 2233 and CS 1213 or CS 1233 or equivalent). Three hours lecture. Principles of steady state and unsteady state energy and mass transfer as applied to biological systems.</p> <p>Effective: Fall 2003</p>
<p>MODIFY FROM: ABE 3413</p> <p>TO:</p>	<p>Bioinstrumentation I. (3) (Prerequisite: ABE 3813). Two hours lecture. Two hours laboratory. Applied circuit analysis, electrodes and transducers, stress and strain, temperature measurements, human physiology, digital and programmable instrumentation.</p> <p>Bioinstrumentation I. (3) (Prerequisite: PH 2223 or equivalent). Two hours lecture. Two hours laboratory. Applied circuit analysis, electrodes and transducers, stress and strain, temperature measurements, human physiology, digital and programmable instrumentation.</p> <p>Effective: Fall 2003</p>
<p>MODIFY FROM: ABE 4122</p> <p>TO:</p>	<p>Biological Engineering Practices Lab. (2) (Corequisite: ABE 4821/6821). Six hours laboratory. The student constructs, tests, and evaluates a biological engineering design.</p> <p>Biological Engineering Practices Lab. (2). Six hours laboratory. The student constructs, tests, and evaluates a biological engineering design.</p> <p>Effective: Fall 2003</p>

<p>MODIFY ABE 4513 FROM:</p> <p>TO:</p>	<p>Dynamics of Aging. (3) (Prerequisite: BIO 1123). A broad based systematic, quantitatively oriented introduction to the dynamics of aging. Systems physiology of aging in relation to biomedical engineering.</p> <p>Dynamics of Aging. (3) (Prerequisite: BIO 1123 or BIO 1504 or consent of the instructor). A broad based systematic, quantitatively oriented introduction to the dynamics of aging. Systems physiology of aging in relation to biomedical engineering.</p> <p>Effective: Fall 2003</p>
<p>MODIFY CS 2813 FROM:</p> <p>TO:</p>	<p>Discrete Structures. (3) (Prerequisites: CS 1314 with a grade of C or better, as well as MA 1313 or equivalent). Three hours lecture. Concepts of algorithms, induction, recursion, proofs, topics from logic, set theory, combinatorics, graph theory fundamental to the study of computer science.</p> <p>Discrete Structures. (3) (Prerequisites: CS 1284 with a grade of C or better, as well as MA 1313 or equivalent). Three hours lecture. Concepts of algorithms, induction, recursion, proofs, topics from logic, set theory, combinatorics, graph theory fundamental to the study of computer science.</p> <p>Effective: Spring 2003</p>
<p>DELETE CS 3041</p>	<p>FORTTRAN Programming Laboratory. (1) (Prerequisite: CS 1233 with a grade of C or better). Two hours laboratory. Programming and problem-solving using the FORTRAN programming language; structured program design, debugging and testing; file management techniques.</p> <p>Effective: Spring 2003</p>

ADD	CD 3324	<p>Distributed Client/Server Programming. (4) (Prerequisite: CS 2383 with a grade of C or better). Three hours lecture. Three hours laboratory. Design of software systems for us in distributed environments. Client/Server models, multithreaded programming, server-side web programming, graphical user interfaces; group projects involving client/server systems.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER: 11.0701 24-CHARACTER ABBREVIATION: Dist Client/Server Prog</p> <p>Effective: Fall 2003</p>
DELETE	CS 8643	<p>Intelligent Systems. (3) (Prerequisite: CS 4633/6633). Three hours lecture. Advanced implementation and theoretical issues for intelligent systems design methodologies including representation, uncertainty, opportunistic reasoning, human-computer interaction issues, reading and discussion of current research.</p> <p>Effective: Spring 2003</p>
DELETE	CS 8653	<p>Knowledge Representation and Knowledge Bases. (3) (Prerequisite: CS 4633/6633 with a grade of C or better). Three hours lecture. Methods of representing knowledge, languages and tools for building knowledge based expert systems, inexact reasoning, applications of knowledge-based expert systems.</p> <p>Effective: Spring 2003</p>

<p>MODIFY ECE 4532</p> <p>FROM:</p> <p>TO:</p>	<p>CPE Design I. (2) (Prerequisite: CS 2324, grade of C or better in ECE 4743, and consent of instructor). One hour lecture. Three hours laboratory. Lectures on teaming, project management, engineering standards, economics, and ethical and professional issues. Students must select faculty mentor, perform project design, and present orally.</p> <p>CPE Design I. (2) (Prerequisite: CS 3324, grade of C or better in ECE 4743, and consent of instructor). One hour lecture. Three hours laboratory. Lectures on teaming, project management, engineering standards, economics, and ethical and professional issues. Students must select faculty mentor, perform project design, and present orally.</p> <p>Effective: Fall 2003</p>
<p>DELETE IE 3113</p>	<p>Motion and Time Study. (3) Two hours lecture. Two hours laboratory. A study of the techniques for analysis of production systems, the design of work stations, and the development of time standards. (For non-IE students). (Same as TKI 3363).</p> <p>Effective: Spring 2003</p>
<p>REVIEW IE 4713/6713</p>	<p>Operations Research I. (3) (Prerequisites: CS 1213 and IE 4613). Mathematical techniques of decision making, queuing, networks, simulation and dynamic programming.</p> <p>Effective: Spring 2003</p>

DEGREE PROGRAMS

<p>MODIFY College of Education, Bachelor of Science, Elementary Education K-4/4-8</p>	<p>Changes in course requirements</p> <p>Effective: Fall 2003</p>
--	---

MODIFY	College of Engineering, Bachelor of Science, Computer Engineering	Changes in course requirements Effective: Fall 2003
MODIFY	College of Engineering, Geospatial and Remote Sensing Engineering Certificate	Changes in course requirements Effective: Fall 2003
MODIFY	College of Architecture, Master of Science, Architecture	Change to add a non-thesis option Effective: Spring 2003
MODIFY	College of Agriculture and Life Sciences, Master of Science, Poultry Science	Change to add a non-thesis option Effective: Spring 2003

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

Proposals**

Change Notice 6
May 9, 2003
Page 17 of 17

Dr. George Rent
Associate Vice President for Academic Affairs

Date

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