

MEMORANDUM

May 29, 2003

TO: Academic Deans Council

FROM: Dr. Keith L. Belli
UCCC Chair

RE: Change Notice 7

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 June 6, 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 AEC 3003	Economics of Food and Fiber Production . (3) (Prerequisite: AEC 3113). Three hours lecture. Economic principles applied to food and fiber production situations with emphasis on firm-level decision analysis. METHOD OF INSTRUCTION: C C.I.P. NUMBER: 01.0103 24-CHARACTER ABBREVIATION: Econ of Food/Fiber Prod Effective: Fall 2003
REVIEW AEC 4233/6233	Advanced topics in Environmental Economics. (3) (Prerequisites: AEC 3233 and EC 3123). Three hours lecture. Identifies topics lying on the frontier of environment economics; demonstrates contributions that economics can make in understanding the problems and in providing guidance on solutions. Effective: Fall 2003

ARTS & SCIENCES

DELETE	AN 4503	<p>Introduction to Method and Theory in Archaeology. (3) (Prerequisite: AN 1103 or consent of instructor). Three hours lecture. An Introduction to the history of and interrelationship between theory and method in archaeology with emphasis on recent advances.</p> <p>Effective: Fall 2003</p>
ADD	BIO 4442/6442	<p>Bacterial Genetics Laboratory. (2) (Prerequisite: BCH 4603, BIO 3304 and concurrent enrollment in BIO 4443/6443). Four hours laboratory. The genetic and molecular manipulation of bacteria and their viruses.</p> <p>METHOD OF INSTRUCTION: L C.I.P. NUMBER: 26.0501 24-CHARACTER ABBREVIATION: Bacterial Genetics Lab</p> <p>Effective: Fall 2003</p>
REVIEW	HI 8263	<p>Readings in American Economic Developments. (3) (Prerequisite: Graduate Standing).</p> <p>Effective: Fall 2003</p>
REVIEW	HI 8503	<p>Readings in European History, 1600-1789. (3) (Prerequisite: Graduate Standing).</p> <p>Effective: Fall 2003</p>
REVIEW	HI 8763	<p>Readings in the Far East. (3) (Prerequisite: Graduate Standing).</p> <p>Effective: Fall 2003</p>
REVIEW	MA 8113	<p>Modern Higher Algebra. (3) (Prerequisite: MA 4163/6163). Three hours lecture. A study of the basic mathematical systems with emphasis on rings, fields, and vector spaces.</p> <p>Effective: Fall 2003</p>

EDUCATION

REVIEW	EPY 8913	<p>Psychology of Creative Imagination. (3) (Prerequisite: EPY 8523). Three hours lecture. A study of creative intellectual functioning and advances in thought on imagery as they apply to measurement, nurture, development, and related dimensions.</p> <p>Effective: Upon Approval</p>
MODIFY FROM:	PE 8113	<p>Curriculum Construction in Health and Physical I. (3) Three hours lecture. Principles, problems, and procedures in the development of a physical education curriculum are considered. Special Emphasis is placed upon developing a course of study in physical education for a chosen situation.</p> <p>Curriculum Construction in Physical Education. (3) Three hours lecture. Principles, problems, and procedures in the development of a physical education curriculum are considered. Special Emphasis is placed upon developing a course of study in physical education for a chosen situation.</p> <p>Effective: Spring 2003</p>
MODIFY FROM:	PE 8193	<p>Professional Preparation in Physical Education, Ph. (3) Three hours lecture. This course covers NASPE guidelines for professional preparations. Special areas are professional roles, academic advisement, and professional writing skill.</p> <p>Professional Preparation in Physical Education. (3) Three hours lecture. This course covers NASPE guidelines for professional preparations. Special areas are professional roles, academic advisement, and professional writing skill.</p> <p>Effective: Fall 2004</p>

<p>ADD</p> <p>PE 8253</p>	<p>Doping and Supplemental Use in Sports. (3) (Prerequisite: PE 3303 or equivalent, or consent of instructor). Three hours lecture. Examination of the pharmacological and nutritional agents used to enhance muscular development and athletic performance. Examination of commonly abused recreational drugs.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER: 26.0908 24-CHARACTER ABBREVIATION: Doping/Suppl Use in Sport</p> <p>Effective: Fall 2003</p>
<p>ADD</p> <p>PE 8623</p>	<p>Seminar in School Health. (3) Three hours seminar. Examination of the role of the health educator in the Coordinated School Health Program. Review of current curricular approaches and issues in school health.</p> <p>METHOD OF INSTRUCTION: S C.I.P. NUMBER:13.1307 24-CHARACTER ABBREVIATION: Seminar in School Health</p> <p>Effective: Fall 2003</p>
<p>MODIFY</p> <p>FROM:</p> <p>TKB 1122</p> <p>TO:</p> <p>TKB 1123</p>	<p>Document Formatting. One lecture. Two hours laboratory. Keyboarding principles, development of speed/accuracy using computer software, and mastery of format skills required to produce business and other documents using computer software.</p> <p>Document Formatting/Information Processing. (3) (Prerequisite: TKB 1012 or equivalent). Two hours lecture. Two hours laboratory. Review of keyboarding principles, development of speed and accuracy using computer software, and masters of formatting and word processing competencies required to produce business documents.</p>

<p>ADD TKB 2112</p>	<p>Introduction to Spreadsheet Design and Analysis. (2) (TKT 1273 or BIS 1013 or CS 1013 and keyboarding proficiency.) One hour lecture. Two hours laboratory. An exploration of electronic spreadsheet technology applied to business applications in today’s contemporary business environment. Provides hands-on computer technology with most widely used spread sheet software.</p> <p>METHOD OF INSTRUCTION: B C.I.P. NUMBER:13.1303 24-CHARACTER ABBREVIATION: Intro Sprdsheet Des/Anal</p> <p>Effective: Upon Approval</p>
<p>ADD TKB 2122</p>	<p>Introduction to Database Management. (2) (Prerequisite: TKT 1273 or BIS 1013 or CS 1013 and keyboarding proficiency). One hour lecture. Two hours laboratory. An exploration of database management technology as it applies to business applications in today’s contemporary business environment. Provides hands-on technology experience with database management software.</p> <p>METHOD OF INSTRUCTION: B C.I.P. NUMBER: 13.1303 24-CHARACTER ABBREVIATION: Intro Database Mgt.</p> <p>Effective: Upon Approval</p>
<p>ADD TKB 4583/6583</p>	<p>Graphics and Web Design. (3). (Prerequisites: TKT 1273 or BIS 1013 or CS 1013 and keyboarding proficiency). Two hours lecture. Two hours laboratory. Principles and development f graphics and web design.</p> <p>METHOD OF INSTRUCTION: B C.I.P. NUMBER: 13.1303 24-CHARACTER ABBREVIATION: Graphics and Web Design</p> <p>Effective: Upon Approval</p>

<p>MODIFY TKB 4283/6283 FROM:</p> <p>TO:</p>	<p>Office System Applications. (3) Two hours lecture. Two hours laboratory. Provides hands-on microcomputer experience with integrated business software and graphics.</p> <p>Advanced Office Systems. (3) (Prerequisites: TKT 1273 or BIS 1013 or CS 1013; TKB 2112, TKB 2122; and keyboarding proficiency or upon consent of instructor). Two hours lecture. Two hours laboratory. Advanced database management and spreadsheet theory and practice as it applies to contemporary business applications. Provides hands-on experience with spreadsheet and database management software.</p> <p>Effective: Upon Approval</p>
<p>MODIFY TKB 4543/6543 FROM:</p> <p>TO:</p>	<p>Adv. Applications in Word/Information Process. (3) (Prerequisite: TKB 2543 or instructor's consent). Two hours lecture. Two hour laboratory. Applications in advanced word processing and desktop publishing.</p> <p>Advanced Information Processing. (3) (Prerequisite: TKB 1123 or instructor's permission). Two hours lecture. Two hours laboratory. Applications in advanced word processing and desktop publishing.</p> <p>Effective: Upon Approval</p>
<p>ADD TKB 4563</p>	<p>Introduction to Data Networks. (3) (Prerequisite: TKT 1273) Three hours lecture. Strategies in supporting the users of data networking systems and exploration of the associated networking hardware and software that are appropriate for the office environment.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER: 13.1303 24-CHARACTER ABBREVIATION: Intro to Data Networks</p> <p>Effective: Upon Approval</p>

<p>ADD TKT 3213</p>	<p>Call Center Management. (3) (Prerequisite: TKB 4283 and TKB 4543). Three hours lecture. Presents the strategic, financial and tactical knowledge and skill needed to manage an effective and efficient call center.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER: 13.1309 24-CHARACTER ABBREVIATION: Call Center Management</p> <p>Effective: Upon Approval</p>
<p>ADD TKT 3463</p>	<p>Computer Repair and Maintenance. (3) (Prerequisite: TKT 1273 or BIS 1013 or CS 1013 and keyboarding proficiency). Two hours lecture. Two hours laboratory. An exploration into hardware functions, operating system and software installation, diagnostic and troubleshooting techniques, and safety.</p> <p>METHOD OF INSTRUCTION: B C.I.P. NUMBER: 13.1309 24-CHARACTER ABBREVIATION: Computer Repair/Main.</p> <p>Effective: Upon Approval</p>
<p>ADD TKT 3623</p>	<p>Designing Technology Training. (3) (Prerequisite: TKT 1273 or BIS 1013 or CS 1013 and keyboarding proficiency, TKB 2112, TKB 2122). Three hours lecture. Learning strategies, design, and development of technology training programs for organizations.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER: 13.1309 24-CHARACTER ABBREVIATION: Dsgn Technology Training</p> <p>Effective: Upon Approval</p>

<p>ADD TKT 4343</p>	<p>Information Technology Project Management. (3) (Prerequisite: TKT 1273 or BIS 1013 or CS 1013 and keyboarding proficiency). Three hours lecture. Concepts, skills, tools, and techniques involved in information technology project management as it applies in today's contemporary business environment.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER: 13.1309 24-CHARACTER ABBREVIATION: Info Tech Project Mgt.</p> <p>Effective: Upon Approval</p>
<p>ADD TKT 4623</p>	<p>Delivery of Technology Training. (3) (Prerequisite: TKT 3623) Three hours lecture. Advanced design, live and computer-based strategies, development, delivery, and evaluation of technology training programs for organizations.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER: 13.1309 24-CHARACTER ABBREVIATION: Del/Eval Tech Training</p> <p>Effective: Upon Approval</p>
<p>ADD TKT 4683</p>	<p>Senior Seminar in Information Technology Services. (3) (Prerequisites: TKT 3213, TKT 3463, TKB 4283, TKT 4623, TKT 4633, and senior-level standing) Three hours seminar. Field experience under supervision of university staff for directed experience and report in end-user support, project management, and training.</p> <p>METHOD OF INSTRUCTION: S C.I.P. NUMBER: 13.1309 24-CHARACTER ABBREVIATION: Senior Seminar</p> <p>Effective: Upon Approval</p>

<p>MODIFY CHE 4624/6624 FROM:</p> <p>TO:</p>	<p>Experimental Methods in Materials Research. (4) (Prerequisites: CHE 3413 or ABE 3813, or permission of instructors). Three hours lecture. Three hours laboratory. An introduction to research methodologies commonly used in the evaluation of treatments, and mechanical testing.</p> <p>Experimental Methods in Materials Research. (4) (Prerequisites: CHE 3413 or ABE 3813 or ME 3403 or permission of instructors). Three hours lecture. Three hours laboratory. An introduction to research methodologies commonly used in the evaluation of treatments, and mechanical testing. (Same as ABE 4624/6624 and ME 4624/6624).</p> <p>Effective: Fall 2003</p>
<p>ADD ME 4624/6624</p>	<p>Experimental Methods in Materials Research. (4) (Prerequisites: CHE 3413 or ABE 3813 or ME 3403 or permission of instructors). Three hours lecture. Three hours laboratory. An introduction to research methodologies commonly used in the evaluation of treatments, and mechanical testing. (Same as ABE 4624/6624 and CHE 4624/6624).</p> <p>METHOD OF INSTRUCTION: B C.I.P. NUMBER: 14.0501 24-CHARACTER ABBREVIATION: Exp Met Mat Res</p> <p>Effective: Fall 2003</p>
<p>REVIEW ABE 8911</p>	<p>ABE 8911-8931. Agricultural and Biological Engineering Seminar. (1) Discussion of research needs, review of literature, and development of research work plans.</p> <p>Effective: Immediate</p>
<p>DELETE CS 1314</p>	<p>Computer Science I. (4) (Prerequisites: One of CS 1213, or CS 1233 with a grade of C or better, and MA 1313). Three hours lecture. Three hours laboratory. Software design, implementation, testing and documentation based on the object-orientated paradigm. Algorithm development and analysis, abstract data types including lists and trees, recursion. Applications.</p> <p>Effective: Fall 2003</p>

DELETE	CS 2324	<p>Computer Science III. (4) (Prerequisites: CS 2314 with a grade of C or better). Three hours lecture. Three hour laboratory. Continuation of CS 2314. Software design and design quality; design patterns and reuse; testing; distribution and concurrency; applications, including real time and parallel; group projects.</p> <p>Effective: Fall 2003</p>
MODIFY FROM:	CS 3124	<p>Microprocessors I. (4) (Prerequisites: Grade of C or better in CS 1233 or CS 1314, and a grade of C or better in ECE 3714). Three hours lecture. Three hours laboratory. Architecture of microprocessor-based systems. Study of microprocessor operation, assembly language, arithmetic operations, and interfacing. (Same as ECE 3724).</p>
TO:		<p>Microprocessors I. (4) (Prerequisites: Grade of C or better in CS 1233 or CS 1284, and a grade of C or better in ECE 3714). Three hours lecture. Three hours laboratory. Architecture of microprocessor-based systems. Study of microprocessor operation, assembly language, arithmetic operations, and interfacing. (Same as ECE 3724).</p> <p>Effective: Fall 2003</p>
MODIFY FROM:	CS 4163	<p>Designing Parallel Algorithms. (3) (Prerequisites: CS 2324 or CS 4733/6733 with a grade of C or better). Three hours lecture. Techniques for designing algorithms to take advantage efficiently of different parallel architectures. Includes techniques for parallelizing sequential algorithms and techniques for matching algorithms to architectures.</p>
TO:		<p>Designing Parallel Algorithms. (3) (Prerequisites: CS 3324 or CS 4733/6733 with a grade of C or better). Three hours lecture. Techniques for designing algorithms to take advantage efficiently of different parallel architectures. Includes techniques for parallelizing sequential algorithms and techniques for matching algorithms to architectures.</p> <p>Effective: Fall 2003</p>

<p>MODIFY FROM: ECE 3714</p> <p>TO:</p>	<p>Digital Devices and Logic Design. (4). (Prerequisites: Credit or registration in CS 1213, CS 1233, CS 1253, or CS 1314). Three hours lecture. Three hours laboratory. Binary codes, Boolean algebra, combinational logic design, flip-flops, counters, synchronous sequential logic, programmable logic devices, MSI logic devices, adder circuits.</p> <p>Digital Devices and Logic Design. (4). (Prerequisites: Credit or registration in CS 1213, CS 1233, CS 1284). Three hours lecture. Three hours laboratory. Binary codes, Boolean algebra, combinational logic design, flip-flops, counters, synchronous sequential logic, programmable logic devices, MSI logic devices, adder circuits.</p> <p>Effective: Fall 2003</p>
<p>MODIFY FROM: ECE 3724</p> <p>TO:</p>	<p>Microprocessors I. (4) (Prerequisites: Grade of C or better in CS 1233 or CS 1314, and a grade of C or better in ECE 3714). Three hours lecture. Three hours laboratory. Architecture of microprocessor-based systems. Study of microprocessor operation, assembly language, arithmetic operations, and interfacing. (Same as CS 3124).</p> <p>Microprocessors I. (4) (Prerequisites: Grade of C or better in CS 1233 or CS 1284, and a grade of C or better in ECE 3714). Three hours lecture. Three hours laboratory. Architecture of microprocessor-based systems. Study of microprocessor operation, assembly language, arithmetic operations, and interfacing. (Same as CS 3124).</p> <p>Effective: Fall 2003</p>

<p>MODIFY FROM: ECE 8473</p> <p>TO:</p>	<p>Digital Image Processing. (3) (Prerequisites: CS 1233, CS 1314 or equivalent, ECE 4773/6773). Three hours lecture. A study of digital image processing principles, concepts, and algorithms; mathematical models; image perception; image sampling, and quantization, transforms, image coding.</p> <p>Digital Image Processing. (3) (Prerequisites: CS 1233, CS 1284 or equivalent, ECE 4413/6413). Three hours lecture. A study of digital image processing principles, concepts, and algorithms; mathematical models; image perception; image sampling, and quantization, transforms, image coding.</p> <p>Effective: Fall 2003</p>
<p>ADD ECE 8803</p>	<p>Random Signals and Signs. (3) (Prerequisite: IE 4613 or MA 4523 or equivalent). Three hours lecture. Probability and random processes, auto- and cross-correlation, energy and power spectral densities, mean-square calculus, ergodicity. Response of linear systems to random signals, and Markov chains.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER: 14.1001 24-CHARACTER ABBREVIATION: Random Signals & Systems</p> <p>Effective: Fall 2003</p>
<p>MODIFY FROM: IE 3934</p> <p>TO: IE 4934/6934</p>	<p>Information Systems for Industrial Engineering. (4) (Co-requisite: IE 1911). Three hours lecture. Three hours laboratory. An introduction to the design and development of information systems for use in industrial engineering applications.</p> <p>Information Systems for Industrial Engineering. (4) (Co-requisite: IE 1911). Three hours lecture. Three hours laboratory. An introduction to the design and development of information systems for use in industrial engineering applications.</p> <p>Effective: Fall 2003</p>

VETERINARY MEDICINE

ADD	CVM 5023	<p>Fundamentals of Infectious Agents. (3) (Prerequisite: Enrollment in the professional veterinary degree program). Two hours lecture. Two hours laboratory. Presentation of principles essential to understanding the classification, pathophysiological mechanisms, control and diagnosis of viruses, bacteria, fungi, and parasites of importance in veterinary medicine.</p> <p>METHOD OF INSTRUCTION: B C.I.P. NUMBER: 51.2401 24-CHARACTER ABBREVIATION: Infectious Agents</p> <p>Effective: Fall 2003</p>
ADD	CVM 5033	<p>Veterinary Physiology. (3) (Prerequisite: Enrollment in the professional veterinary degree program). Three hours lecture. Presentation of fundamental concepts, principles, and issues in veterinary physiology specifically related to cellular, membrane muscle, cardiovascular, respiratory, renal, digestive, endocrine and reproductive physiology.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER: 51.2401 24-CHARACTER ABBREVIATION: Veterinary Physiology</p> <p>Effective: Fall 2003</p>
ADD	CVM 5043	<p>Veterinary Pathobiology. (3) (Prerequisites: Enrollment in the professional veterinary degree program). Three hours lecture. Basic principles and concepts of immunology and anatomical and clinical pathology necessary for understanding complicated medical problems</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER: 51.2401 24-CHARACTER ABBREVIATION: Veterinary Pathobiology</p> <p>Effective: Fall 2003</p>

ADD	CVM 5053	<p>Foundations of Clinical Science I. (3) (Prerequisite: Enrollment in the professional veterinary degree program). Three hours lecture. Basic principles and concepts of epidemiology, pharmacology/toxicology, and diagnostic imaging that establish the foundation for the student to address complicated medical problems.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER: 51.2401 24-CHARACTER ABBREVIATION: Foundations Clin. Sci. I</p> <p>Effective: Fall 2003</p>
ADD	CVM 5054	<p>Foundations of Clinical Science II. (4). Four hours forum. (Prerequisite: Enrollment in the professional veterinary degree program and concurrent enrollment in CVM 5066-5076). Exploration of specific topics assisting in the synthesis of fundamental concepts, principles, and issues of veterinary medicine. Topics related to the problem-based scenarios in CVM 5066-5076.</p> <p>METHOD OF INSTRUCTION: S C.I.P. NUMBER: 51.2401 24-CHARACTER ABBREVIATION: Foundations Clin. Sci. II</p> <p>Effective: Fall 2003</p>

<p>MODIFY FROM: CVM 5069-5079</p> <p>TO: CVM 5066-5076</p>	<p>Introduction to the Interdisciplinary Study of Veterinary Medicine. (9, 9) Nine hours Practicum. Introduction to the study of veterinary medicine through an interdisciplinary approach. A case-based approach to understanding the inter-relationships between structure, function, pathology, disease, and therapeutics.</p> <p>Introduction to the Interdisciplinary Study of Veterinary Medicine. (6, 6) (Prerequisite: Enrollment in the professional veterinary degree program and concurrent enrollment in CVM 5054). Six hours Practicum. Introduction to the study of veterinary medicine through an interdisciplinary approach. A case-based approach to understanding the inter-relationships between structure, function, pathology, disease, and therapeutics.</p> <p>Effective: Fall 2003</p>
<p>ADD CVM 5063</p>	<p>Veterinary Anatomy II. (3) (Prerequisite: CVM 5064 and enrollment in the professional veterinary degree program). Four hours lecture - lab combination. Study of gross anatomy through dissection with integration of embryological and radiographic anatomy. Course focuses on alimentary system/abdomen, urogenital system, pelvic cavity, and mammary gland.</p> <p>METHOD OF INSTRUCTION: L C.I.P. NUMBER: 51.2401 24-CHARACTER ABBREVIATION: Veterinary Anatomy II</p> <p>Effective: Fall 2003</p>

ADD	CVM 5064	<p>Veterinary Anatomy I. (Prerequisite: Enrollment in the professional veterinary degree program). Six hours lecture - lab combination. Study of gross anatomy through dissection with integration of embryological and radiographic anatomy. Canine and Feline hindlimb, forelimb, vertebral column, head, neck, and the thorax.</p> <p>METHOD OF INSTRUCTION: B C.I.P. NUMBER: 51.2401 24-CHARACTER ABBREVIATION: Veterinary Anatomy I</p> <p>Effective: Fall 2003</p>
ADD	CVM 5073	<p>Veterinary Histology. (3) (Prerequisite: Enrollment in the professional veterinary degree program). Basic microscopic anatomy of cells, tissues, organs, and organ systems. The course is a lecture-lab combination, which will meet for a one-hour lecture and two laboratory sessions (at two hours each) per week.</p> <p>METHOD OF INSTRUCTION: L C.I.P. NUMBER: 51.2401 24-CHARACTER ABBREVIATION: Veterinary Histology</p> <p>Effective: Fall 2003</p>
ADD	CVM 5082	<p>Veterinary Neuroscience. (2) (Prerequisite: Enrollment in the professional veterinary degree program). Four hours lecture. Total of six hours laboratory for the entire course. Basic anatomic and physiological concepts foundational to understanding animal behaviors and veterinary neurology.</p> <p>METHOD OF INSTRUCTION: C C.I.P. NUMBER: 51.2401 24-CHARACTER ABBREVIATION: Veterinary Neuroscience</p> <p>Effective: Fall 2003</p>

<p>MODIFY FROM: CVM 8141</p> <p>TO: CVM 8153</p>	<p>Histopathology of Fish Diseases. (1) A weekly seminar addressing pathophysiology of fish diseases based upon histologic interpretation of case materials. Emphasis will be on farm-raised channel catfish.</p> <p>Histopathology of Fish Diseases. (Prerequisite: CVM 4134/6134 or equivalent). (1) Three hours seminar. Study of the pathophysiology response of fish to a variety of environmental, infectious, parasitic, and neoplastic diseases based upon histologic interpretation of case materials.</p> <p>Effective: Fall 2003</p>
<p>MODIFY FROM: CVM 8143</p> <p>TO: CVM 8503</p>	<p>Epidemiology/Biostatistics. (3) Three hours lecture. Fundamental principles of descriptive and analytical epidemiology.</p> <p>Epidemiology/Biostatistics. (3) Three hours lecture. Fundamental principles of descriptive and analytical epidemiology.</p> <p>Effective: Spring 2003</p>

DEGREE PROGRAMS

<p>MODIFY College of Agriculture and Life Sciences, Bachelor of Science Agriculture Economics and Agribusiness</p>	<p>Change in program options</p> <p>Effective Fall 2003</p>
<p>MODIFY College of Arts and Sciences, Bachelor of Science, Microbiology</p>	<p>Changes in curriculum</p> <p>Effective: Fall 2003</p>
<p>MODIFY College of Education, Bachelor of Science, Office System Technologies</p>	<p>Changes in degree program</p> <p>Effective: Upon Approval</p>
<p>MODIFY College of Education, Master of Science, Physical Education; Exercise Science Concentration</p>	<p>Change in program options</p> <p>Effective: Fall 2003</p>

MODIFY	College of Engineering, Bachelor of Science, Computer Science	Changes in course requirements Effective: Fall 2003
MODIFY	College of Engineering, Bachelor of Science, Software Engineering	Changes in course requirements Effective: Fall 2003
MODIFY	College of Engineering, Minor in Computer Science	Change to add a minor option Effective: Fall 2003
MODIFY	College of Engineering, Minor in Software Engineering	Change to add a minor option Effective: Fall 2003
MODIFY	College of Engineering, Materials Certificate in Engineering Program	Change in course requirements Effective: Fall 2003

CORE COURSES

Computer Literacy

AN 3513. Artifact Analysis Effective: Fall 2003
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Mathematics and Statistic

MA 1413. Structure of the Real Number System Effective: Fall 2003
MA 1423. Problem Solving with Real Numbers Effective: Fall 2003
MA 1433. Informal Geometry and Measurement Effective: Fall 2003
MA 1453. Precalculus with Graphing Calculators Effective: Fall 2003

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

Proposals**

Dr. George Rent
Associate Vice President for Academic Affairs

Date

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