

## MEMORANDUM

April 6, 2001

**TO:** Academic Deans Council

**FROM:** Dr. Keith 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, unless notice of question as to approval of any proposal has been communicated by a member of the Academic Deans Council to the Committee's office (5-0831), or the office of the Vice President for Academic Affairs (5-3742) not later than 5:00 p.m., Monday, April 16, 2001, the proposals will be considered to have been approved automatically.

### AGRICULTURAL & LIFE SCIENCES

Add	ABE 4453/6453	Cotton Ginning Systems and Management (3). Three hours lecture. An in-depth exposure to the modern cotton ginning industry, including the basics of the operation of a cotton gin and management of the ginning process. METHOD OF INSTRUCTION: C CIP NUMBER: 15.1101 24-CHARACTER ABBREVIATION: Cotton Ginning Sys/Mgt  <b>Effective: Spring 2000</b>
Delete	EPP 3223	Pest Control (3) Control and control related biology of structural and urban insect, rodent, and weed pests, plant diseases, and pesticide considerations.  <b>Effective: Spring 2001</b>

Add      EPP 4423/6223	Pest Control. (3) (Prerequisite: EPP 3113, PW 3133 or consent of instructor). Three hours lecture. Two hours laboratory for selected topics. Pesticide considerations, control, and control-related biology of structural and urban insect, rodent, and week pests, and plant diseases. METHOD OF INSTRUCTION: C CIP NUMBER: 02.0408 24-CHARACTER ABBREVIATION: "Pest control"  <b>Effective: Spring 2001</b>
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#### ARTS & SCIENCE

Add      ART 1003	The Idea of Art. (3) (Prerequisite: Art majors only or consent of instructor). Three hours lecture. An introduction to the process, concepts, media, and history of the visual arts, including contemporary issues, idea generating, and the language of visual form. METHOD OF INSTRUCTION: B CIP NUMBER: 50.0701 24-CHARACTER ABBREVIATION: The Idea of Art  <b>Effective: Spring 2001</b>
Add      ART 4573/6573	Critical Issues in Recent Art. Critical Issues in Recent Art. (3) (Prerequisite: ART 3603 or an equivalent course on 20 <sup>th</sup> -century art and consent of instructor). Three hours lecture. Discussion of major developments and issues in contemporary art, focusing on the period 1980 to present. METHOD OF INSTRUCTION: C CIP NUMBER: 50.0701 24-CHARACTER ABBREVIATION: Crit Issues Cont Art  <b>Effective: Spring 2001</b>

<p>Modify      EN 4343/6343  TO:  EN 4343/6343</p>	<p>Survey of Literature by Black Authors. (3) (Prerequisite: completion of English requirements in the student's major). Three hours lecture. A study of literature by black writers, especially in the Twentieth Century.  TO:  African American Literature. (3) (Prerequisite: completion of English requirements in the student's major). Three hours lecture. A study of African American literature, especially that of the Twentieth Century.</p> <p>CIP NUMBER: 23.0701  24-CHARACTER ABBREVIATION:  AFRICAN AMERICAN LIT</p> <p><b>Effective: Fall 2001</b></p>
<p>Add            EN 8333</p>	<p>Studies in Southern Literature. (3) Three hours lecture. Studies in the literature of the U.S. South.  METHOD OF INSTRUCTION: C  CIP NUMBER: 23.0101  24-CHARACTER ABBREVIATION:  Studies in Southern Lit</p> <p><b>Effective: Fall 2001</b></p>
<p>Delete        MS 2112</p>	<p>Leader Development 3. (2). One hour lecture. Two hours laboratory. Applies principles of effective leadership, develops communications skills to improve individual performance and group interaction, and relates organizational ethical values to the effectiveness of leaders. (Fall).</p> <p><b>Effective: Fall 2001</b></p>

Add                    MS 2113	<p>Advanced Leadership. (3). Two hours lecture. Two hours laboratory. Applies leadership and problem-solving principles to complex case studies/simulations. Examines principles of subordinate motivation and organizational change. Develops effective communication skills. (Fall).  METHOD OF INSTRUCTION: B  CIP NUMBER: 29.0101  24-CHARACTER ABBREVIATION:  Advanced Leadership</p> <p><b>Effective: Fall 2001</b></p>
Delete                MS 2122	<p>Leader Development 4. (2). One hour lecture. Two hours laboratory. CPR certification. Introduction to radio procedures and small unit tactics. Ethics and professionalism are discussion topics. Written and oral presentations. Practical leadership applications. (Spring).</p> <p><b>Effective: Spring 2002</b></p>
Add                    MS 2123	<p>Tactics and Officership. (3). Two hours lecture. Two hours laboratory. Introduces basic tactics. Examines national and Army values. Applies principles of ethical decision-making. Examines the legal and historical foundations, duties and functions of officers. (Spring).  METHOD OF INSTRUCTION: B  CIP NUMBER: 29.0101  24-CHARACTER ABBREVIATION:  Tactics &amp; Officership</p> <p><b>Effective: Spring 2002</b></p>
Delete                MS 4113	<p>Leader's Responsibilities. (3). As described herein there is no official course description listed in the catalog. (Fall).</p> <p><b>Effective: Fall 2001</b></p>

Add            MS 4114/6114	Leadership Challenges and Goal-Setting. (4) (Prerequisite: Military Science Senior Status or consent of instructor). Three hours lecture. Three hours laboratory. Plan, conduct and evaluate activities of the ROTC organization. Develop confidence in skills to lead people and manage resources. Apply Army policies and programs. (Fall). METHOD OF INSTRUCTION: B CIP NUMBER: 29.0101 24-CHARACTER ABBREVIATION: Ldrship Chal & Goal Set  <b>Effective: Fall 2001</b>
Delete        MS 4123	Professional Development of the Leader. (3). As described herein there is no official course description listed in the catalog. (Spring).  <b>Effective: Spring 2002</b>
Add            MS 4124/6124	Transition to Lieutenant. (4) (Prerequisite: Military Science Senior Status or consent of instructor). Three hours lecture. Three hours laboratory. Theory and practice of the laws of war, leadership, and resolving ethical problems. (Spring). METHOD OF INSTRUCTION: B CIP NUMBER: 29.0101 24-CHARACTER ABBREVIATION: Transition to Lieutenant  <b>Effective: Spring 2002</b>

**EDUCATION**

Add            CCL 8113	Community College History/Philosophy. (3) Three hours lecture. Objectives of the community college, philosophical/historical bases, changing roles, issues in higher education/workforce development/economic industry. METHOD OF INSTRUCTION: C CIP NUMBER: 13.0407 24-CHARACTER ABBREVIATION: Comm Col Hist/Philosophy  <b>Effective: Summer 2001</b>
Add            CCL 8123	Community College Finance. (3) Three hours lecture. Analyzes tools, methods, problems in community college financial management, revenue sources, budget preparation, risk management, purchasing, employee compensation. METHOD OF INSTRUCTION: C CIP NUMBER: 13.0407 24-CHARACTER ABBREVIATION: Comm Col Finance  <b>Effective: Summer 2001</b>
Add            CCL 8233	Community College Legal Issues. (3) Three hours lecture. In-depth analysis of the legal/policy issues pertaining to students, faculty, and administrators of community colleges. METHOD OF INSTRUCTION: C CIP NUMBER: 13.0407 24-CHARACTER ABBREVIATION: Comm Col Legal Issues  <b>Effective: Summer 2001</b>

Add            CCL 8333	Community College Administration. (3) Three hours lecture. In-depth analysis of community college governance, structure, functions, and its relationship with external groups, state government. METHOD OF INSTRUCTION: C CIP NUMBER: 13.0407 24-CHARACTER ABBREVIATION: Comm Col Admin  <b>Effective: Summer 2001</b>
Add            EDA 8323	Educational Facilities Design. (3) Three hours lecture. Studies design issues in learning environments/facilities, examines contemporary design models, their impact on learning, and uses this information in the design process. METHOD OF INSTRUCTION: C CIP NUMBER: 13.0407 24-CHARACTER ABBREVIATION: Ed Facilities Design  <b>Effective: Summer 2001</b>
Modify        EDL 8153 TO: EDL 8293	Professional Development of Educational Personnel. (3) (Prerequisite: EDL 8143). Collaborative approaches to processes of individual and group professional development for instructional and non-instructional personnel; ensuring, supporting, enhancing best practices for teaching, learning, and school improvement. TO: Professional Development of Educational Personnel. (3) (Prerequisites: EDL 8143 or EDA 8273). Three hours lecture. Collaborative approaches to processes of individual and group professional development for instructional and non-instructional personnel; ensuring, supporting, enhancing best practices for teaching, learning, school improvement.  <b>Effective: Fall 2000</b>

<p>Modify      EDL 8201  TO:  EDL 8213</p>	<p>Internship I: Observation and Field Applications (1)  (Prerequisites: EDL 8113, EDL 8123, EDL 8133).  Interns experience 200 hours of observation,  application, and mentorship activities at authentic  educational sites under joint supervision of university  staff and school-based leaders.  TO:  Internship I: Observation and Field Application. (3)  (Prerequisites: EDL 8113, EDL 8123, EPY 8223).  Interns experience designated observation , authentic  application, and mentorship activities at educational  sites under joint supervision of university and school  based leaders.</p> <p><b>Effective: Fall 2000</b></p>
<p>Modify      EDL 8202  TO:  EDL 8223</p>	<p>Internship II: Administrative Applications. (2)  (Prerequisites: EDL 8163, EDL 8173, EDL 8183, EDL  8201). Interns observe and apply techniques of  administrative aspects of educational leadership (200  hours) under joint supervision of university and school-  based staff at authentic school sites.  TO:  Internship II: Administrative Applications. (3)  (Prerequisites: EDL 8163, EDL 8173, EPY 9263, EDL  8213). Interns observe and apply techniques of  administrative leadership in authentic educational  situations under joint supervision of university and  school-based staff at school sites.</p> <p><b>Effective: Fall 2000</b></p>

<p>Modify      EDL 8203  TO:  EDL 8233</p>	<p>Internship III: Instructional Applications. (3)  (Prerequisites: EDL 8133, EDL 8143, EDL 8153, EDL 8193, EDL 8201, EDL 8202). Focus on instructional leadership experiences; culminating 250 hours of internship activities at authentic school sites; joint supervision by university staff and school-based bodies.  TO:  Internship III: Instructional Applications. (3)  (Prerequisites: EPY 8223, EDL 8143, EDL 8193, EDL 8213, EDL 8223 or approval of the instructor). Focus on instructional leadership experiences; designated culminating internship activities at school sites; joint supervision by university staff and school-and/or district-based leadership.</p> <p><b>Effective: Fall 2000</b></p>
<p>Modify      PE 1111  TO:  PE 1111</p>	<p>Physical Development. (1) Two hours laboratory. This course is designed to develop understanding in the conceptual knowledge of fitness and physical conditioning and maintenance of human wellness.  TO:  Physical Development. (1) Two hours laboratory. This course is designed to develop understanding in the conceptual knowledge of fitness and physical conditioning and maintenance of human wellness.  (May be taken up to four times for credit).</p> <p><b>Effective: Spring 2001</b></p>

<p>Modify      PE 1121  TO:  PE 1121</p>	<p>Advanced Physical Development. (1) Two hours laboratory. A continuation of PE 1111. This course is designed to further the understanding in the conceptual knowledge of fitness and physical conditioning and maintenance of human wellness.  TO:  Advanced Physical Development. (1) Two hours laboratory. A continuation of PE 1111. This course is designed to further the understanding in the conceptual knowledge of fitness and physical conditioning and maintenance of human wellness.  (May be taken up to four times for credit).</p> <p><b>Effective: Spring 2001</b></p>
<p>Modify      PE 1151  TO:  PE 1151</p>	<p>Teaching Gymnastics &amp; Tumbling. (1) (Prerequisite: Consent of Instructor). Two hour laboratory. Teaching methods for instructional procedure in gymnastics and tumbling.  TO:  Flexibility &amp; Agility Training. (1) (Prerequisite: Consent of Instructor). Two hour laboratory. This course provides the student with cognitive and laboratory experiences necessary to develop flexibility and agility skills. (May be taken up to four times for credit).</p> <p><b>Effective: Spring 2001</b></p>
<p>Modify      PE 1181  TO:  PE 1181</p>	<p>Training Techniques for Physical Conditioning. (1) Two hours laboratory. Provides the student with theoretical and laboratory experiences in the development of muscular strength, flexibility, and cardiovascular endurance.  TO:  Training Techniques for Physical Conditioning. (1) Two hours laboratory. Provides the student with theoretical and laboratory experiences in the development of muscular strength, flexibility, and cardiovascular endurance. (May be taken up to four times for credit).</p> <p><b>Effective: Spring 2001</b></p>

Modify	PE 1271 TO: PE 1271	Teaching Fitness & Conditioning. (1) Two hours laboratory. This course provides the student with the necessary cognitive and laboratory experiences to make instructional decisions specific to Fitness and Conditioning. TO: Fitness & Conditioning. (1) Two hours laboratory. This course provides the student with the necessary cognitive and laboratory experiences to make personal decisions specific to Fitness and Conditioning. (May be taken up to four times for credit).  <b>Effective: Spring 2001</b>
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#### **ENGINEERING**

Add	CS 1273	Computer Programming with Java. (3) (Prerequisite: MA 1313 or equivalent). Three hours lecture. Problem-solving methods, algorithm development, debugging and documentation in the Java programming language; applications (Not recommended to students with credit in CS 1213 or CS 1233 or equivalent). METHOD OF INSTRUCTION: C CIP NUMBER: 11.0101 24-CHARACTER ABBREVIATION: Cmptr Prog-Java  <b>Effective: Fall 2001</b>
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<p>Modify      CS 3124  TO:  CS 3124</p>	<p>Microprocessors I. (4) (Prerequisites: CS 1314, PH 2223, 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).  TO:  Microprocessors I. (4) (Prerequisites: CS 1233, or CS 1314, PH 2223, 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).   <b>Effective: Fall 2001</b></p>
<p>Delete      CS 4221/6221</p>	<p>Software Engineering Laboratory. (1) (Prerequisites: CS 4213/6213). Two hours laboratory. Software design and implementation projects using current software methods and tools. Formal reports and presentations are required.   <b>Effective: Fall 2001</b></p>
<p>Delete      CS 4223/6223</p>	<p>Software Engineering II. (1) (Prerequisite: CS 4213/6213). Three hours lecture. Advanced topics in software engineering including: alternative design methods, CASE, software quality assurance, software metrics, project management, cost estimation, configuration management, maintenance and reusability issues.   <b>Effective: Fall 2001</b></p>

Add	CS 4224/6224	<p>Software Engineering II. (4) (Prerequisites: CS 4213/6213 with a C or better). Three hours lecture. Two hours laboratory. Advanced topics in software engineering including: alternative design methods, CASE, software quality assurance, software metrics, project management, cost estimation, configuration management, reuse, reengineering and maintenance. METHOD OF INSTRUCTION: B CIP NUMBER: 11.0101 24-CHARACTER ABBREVIATION: Software Engineering II</p> <p><b>Effective: Fall 2001</b></p>
Delete	CS 6753	<p>Object-Oriented Programming Languages. (3) (Prerequisites: CS 3713 with a grade of C or better). Three hours lecture. An introduction to object-oriented programming solutions to complex systems. Topics included: classes, classification, and design methodologies. Projects in a variety of object-oriented programming languages.</p> <p><b>Effective: Spring 2001</b></p>
Add	CS 8273	<p>Software Requirements Engineering. (3) (Prerequisite: CS 4213/6213 with a C or better). Three hours lecture. An in-depth study of current research and practice in requirements elicitation, requirements, analysis, requirements specification, requirements verification and validation, and requirements management. METHOD OF INSTRUCTION: C CIP NUMBER: 11.0101 24-CHARACTER ABBREVIATION: Software Reqts Eng</p> <p><b>Effective: Fall 2001</b></p>

Modify ECE 3313 TO: ECE 3313	<p>Electromagnetics I. (3) (Prerequisites: MA 3253, CS 3041, PH 2223). Three hours lecture. Application of vector analysis to the theory of electromagnetic fields. Maxwell's equations are introduced individually by studying static fields and an introduction to time-varying fields.</p> <p>TO: Electromagnetics I. (3) (Prerequisites: MA 3253 and PH 2223). Three hours lecture. Application of vector analysis to the theory of electromagnetic fields. Maxwell's equations are introduced individually by studying static fields and an introduction to time-varying fields.</p> <p><b>Effective: Fall 2001</b></p>
Modify ECE 3724 TO: ECE 3724	<p>Microprocessors I. (4) (Prerequisites: CS 314, PH 2223, ECE 3714). Three hours lecture. Three hours laboratory. Architecture of microprocessor-based systems. Study of microprocessor operation, assembly language, arithmetic operations, and interfacing.</p> <p>TO: Microprocessors I. (4) (Prerequisites: CS 1233 or CS 1314, PH 2223, 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><b>Effective: Fall 2001</b></p>

<p>Add            ECE 3732</p>	<p>Software Tools for Electrical Engineers. (2)  (Prerequisites: CS 1233 or equivalent C/C++ programming course, ECE 3714). One hour lecture. Three hours laboratory. A survey of topics utilizing UNIX-based platforms. Topics include C++, Perl, and various UNIX tools.  METHOD OF INSTRUCTION: C  CIP NUMBER: 14.1001  24-CHARACTER ABBREVIATION:  Software Tools for EEs</p> <p><b>Effective: Fall 2001</b></p>
<p>Modify            ECE 4512  TO:  ECE 4512</p>	<p>EE Senior Design I. (2) (Prerequisite: Credit or registration in an EE Technical Elective). One hour lecture. Three hours laboratory. Electronic module implementation, emphasizing rapid prototyping. Lectures on design philosophy, creativity, fabrication. Students must select mentor, propose their ECE 4522 project, document, and present orally.  TO:  EE Design I.(2) (Prerequisite: Credit or registration in an EE Technical Elective). One hour lecture. Three hours laboratory. Electronic module implementation, emphasizing rapid prototyping. Lectures on design philosophy, creativity, fabrication. Students must select mentor, propose their ECE 4522 project, document, and present orally.</p> <p>24-CHARACTER ABBREVIATION:  EE Design II</p> <p><b>Effective: Fall 2001</b></p>

<p>Modify      ECE 4522  TO:  ECE 4522</p>	<p>EE Design II. (2) (Prerequisite: ECE 4512). One hour lecture. Three hours laboratory. Prototyping, documentation, and oral presentation of an engineering design project. Lectures on legal aspects and industry standards relating to design, professional ethics, career design skills.  TO:  EE Design II. (2) (Prerequisite: ECE 4512). One hour lecture. Three hours laboratory. Prototyping, documentation, and oral presentation of an engineering design project. Lectures on legal aspects and industry standards relating to design, professional ethics, career design skills.</p> <p><b>Effective: Fall 2001</b></p>
<p>Add          ECE 4532</p>	<p>CPE Design I. (2) (Prerequisite: CS 2324, 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. Student must select faculty mentor, perform project design, and present orally.  METHOD OF INSTRUCTION: B  CIP NUMBER: 14.1001  24-CHARACTER ABBREVIATION:  CPE DESIGN I</p> <p><b>Effective: Fall 2001</b></p>
<p>Add          ECE 4542</p>	<p>CPE Design II. (2) (Prerequisite: ECE 4532). One hour lecture. Three hours laboratory. Development of design, teaming, presentation, and entrepreneurial skills. Teams must complete their project designs, and present written and oral results.  METHOD OF INSTRUCTION: B  CIP NUMBER: 14.1001  24-CHARACTER ABBREVIATION:  CPE DESIGN II</p> <p><b>Effective: Fall 2001</b></p>

Delete	IE 3123	<p>Work Analysis and Design. (3) (Co-requisites: IE 4613). Two hours lecture. Three hours laboratory. Analysis and design of work tasks; principles of motion economy and manual work activities; work measurement by direct, predetermined systems, and statistical techniques.</p> <p><b>Effective: Fall 2001</b></p>
Add	IE 3124	<p>Industrial Ergonomics. (4) (Co-requisite: IE 4613). Three hours lecture. Three hours laboratory. Analysis of work tasks; ergonomic design principles for manual work design, workplace design, and work environment design; work measurement; and design of wage payment plans.</p> <p>METHOD OF INSTRUCTION: B  CIP NUMBER: 14.1701  24-CHARACTER ABBREVIATION:  INDUSTRIAL ERGONOMICS</p> <p><b>Effective: Fall 2001</b></p>
Delete	IE 3921	<p>Industrial Engineering Projects I. (1) (Prerequisites: Grade of C or better in IE 3323, 4333, and 4773; Co-requisites: IE 4133 and EN 3103). Three hours laboratory. The student applies fundamental principles in semi-original laboratory or research work of an Industrial Engineering nature.</p> <p><b>Effective: Fall 2001</b></p>
Add	IE 3934	<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>METHOD OF INSTRUCTION: B  CIP NUMBER: 14.1701  24-CHARACTER ABBREVIATION:  Information Sys for IE</p> <p><b>Effective: Fall 2001</b></p>

Delete            IE 4133/6133	Ergonomics. (3) (Prerequisite: Grade of C or better in IE 3123). Two hours lecture. Three hours laboratory. Study of human capabilities pertinent to the design of products, equipment, work tasks, and environments. Emphasis on safety, productivity, performance, and quality of work.  <b>Effective: Fall 2001</b>
Modify            IE 4333/6333 TO: IE 4333/6333	Production Control Systems I. (3) (Prerequisites: CS 1233 or equivalent and a grade of C or better in IE 4613). Three hours lecture. Principles, analysis, and design of production and inventory planning and control. Demand forecasting, production scheduling and control systems and introduction to CPM. TO: Production Control Systems I. (3) (Prerequisite: Grade of C or better in IE 4613). Three hours lecture. Principles, analysis, and design of production and inventory planning and control. Demand forecasting production scheduling and control systems and introduction to CPM.  <b>Effective: Fall 2001</b>
Delete            IE 4353/6353	Materials Handling. (3) (Prerequisite: IE 3123). Two hours lecture. Three hours laboratory. Selected topics on materials handling. Analysis and design of handling systems and components.  <b>Effective: Summer 2001</b>
Add                IE 4353/6353	Materials Handling. (3) (Prerequisite: IE 3124). Three hours lecture. Analysis and design of materials handling systems and components. Introduction to facilities design. METHOD OF INSTRUCTION: C CIP NUMBER: 14.1701 24-CHARACTER ABBREVIATION: MATERIALS HANDLING  <b>Effective: Summer 2001</b>

<p>Modify      IE 4533/6533  TO:  IE 4533/6533</p>	<p>Project Management. (3) (Prerequisites: CS 1233 or equivalent and grade of C or better in IE 4613 or equivalent knowledge of C programming). Three hours lecture. Use of CPM, PERT, and GERT for planning, managing and controlling projects. Computer procedures for complex networks.  TO:  Project Management. (3) (Prerequisite: Grade of C or better in IE 4613). Three hours lecture. Use of CPM, PERT, and GERT for planning, managing and controlling projects. Computer procedures for complex networks.</p> <p><b>Effective: Fall 2001</b></p>
<p>Add          IE 4543/6543</p>	<p>Logistics Engineering. (3) (Prerequisites: IE 4613 and senior or graduating standing). Three hours lecture. Analysis of complex logistics networks. Integration of supply, production, inventory, transportation, and distribution. Strategies for reducing logistics costs and lead times. Customer-supplier partnerships.  METHOD OF INSTRUCTION: C  CIP NUMBER: 14.1701  24-CHARACTER ABBREVIATION:  LOGISTICS ENGINEERING</p> <p><b>Effective: Fall 2001</b></p>
<p>Modify      IE 4613/6613  TO:  IE 4613/6613</p>	<p>Engineering Statistics I. (3) (Prerequisite: MA 1723, Co-requisite: CS 1011 or CS 1213). Three hours lecture. Introduction to statistical analysis. Topics include: probability, probability distributions, data analysis, and statistical inference. Simple, multiple, and polynomial models for regression and correlation.  TO:  Engineering Statistics I. (3) (Prerequisite: MA 1723). Three hours lecture. Introduction to statistical analysis. Topics include: probability, probability distributions, data analysis, and statistical inference. Simple, multiple, and polynomial models for regression and correlation.</p> <p><b>Effective: Fall 2001</b></p>

Add	IE 4623/6623	<p>Engineering Statistics II. (3) (Prerequisite: Grade of C or better in IE 4613). Three hours lecture. Continuation of IE 4613/6613. Introduction to engineering applications of regression, experimental design and analysis, and nonparametric methods. METHOD OF INSTRUCTION: C CIP NUMBER: 14.1701 24-CHARACTER ABBREVIATION: ENG STATISTICS II</p> <p><b>Effective: Fall 2001</b></p>
Delete	IE 4624/6624	<p>Engineering Statistics II. (4) (Prerequisite: Grade of C or better in IE 4613). Three hours lecture. Three hours laboratory. Continuation of IE 4613/6613. Introduction to engineering applications of regression, experimental design and analysis, and statistical quality control.</p> <p><b>Effective: Fall 2001</b></p>
Add	IE 4753/6753	<p>Systems Engineering and Analysis. (3) (Prerequisite: IE 4613). Three hours lecture. Systems concepts, methodologies, models, and tools for analyzing, designing, and improving new and existing human-made systems. METHOD OF INSTRUCTION: C CIP NUMBER: 14.1701 24-CHARACTER ABBREVIATION: Systems Engr &amp; Analysis</p> <p><b>Effective: Fall 2001</b></p>

<p>Modify      IE 4915/6915  TO:  IE 4915/6915</p>	<p>Design of Industrial Systems(5) (Prerequisites: Grade of C or better in the following courses: IE 3323, IE 4773, IE 4333, and IE 4133). Two hours lecture. Eight hours laboratory. The fundamental procedures and techniques in design of operational systems. Emphasis on both sub-systems and total systems.  TO:  Design of Industrial Systems. (5) (Prerequisites: Grade of C or better in the following courses: IE 3124, IE 3323, and IE 4333). Two hours lecture. Eight hours laboratory. The fundamental procedures and techniques in design of operational systems. Emphasis on both sub-systems and total systems.</p> <p><b>Effective: Fall 2001</b></p>
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**FOREST RESOURCES**

<p>Modify      FP 4013/6013  TO:  FP 4013/6013</p>	<p>Wood Anatomy. (3) (Prerequisite: FP 1103). Two hours lecture. Three hours laboratory. Anatomy of commercial timber species; elements of botanical microtechniques, fundamentals of microscopy, and fundamentals properties: gross and minute structural characteristics of wood leading to identification.  TO:  Wood Anatomy. (3) (Prerequisite: FP 1103 or consent of instructor). Two hours lecture. Three hours laboratory. Anatomy of commercial timber species; elements of botanical microtechnique, fundamentals of microscopy, and fundamentals properties: gross and minute structural characteristics of wood leading to identification.</p> <p><b>Effective: Summer 2001</b></p>
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<p>Modify      FP 4113/6113  TO:  FP 4113/6113</p>	<p>Adhesives and Finishes for Wood. (3) (Prerequisite: CH 2503, or consent of instructor). Two hours lecture. Three hours laboratory. Theory and technology of adhesion; adhesive types, application equipment; fundamentals of coating technology; wood finishes; finishing systems; evaluation of glued, finished products; market volumes.  TO:  Adhesives and Finishes for Wood. (3) (Prerequisite: CH 1053, FP 1103, or consent of instructor). Two hours lecture. Three hours laboratory. Theory and technology of adhesion; adhesive types, application equipment; fundamentals of coating technology; wood finishes; finishing systems; evaluation of glued, finished products; market values.</p> <p><b>Effective: Summer 2001</b></p>
<p>Modify      FP 4143/6143  TO:  FP 4143/6143</p>	<p>Composite Wood Products. (3) (Prerequisite: FP 4113) Two hours lecture. Three hours laboratory. Study of Physical and chemical parameters affecting reconstituted wood products; laboratory investigation of processing methods; industrial standards and quality control; markets.  TO:  Composite Wood Products. (3) (Prerequisite: FP 4113 or consent of instructor). Two hour lecture. Three hours laboratory. Study of physical and chemical parameters affecting reconstituted wood products; laboratory investigation of processing methods; industrial standards and quality control; markets.</p> <p><b>Effective: Summer 2001</b></p>

<p>Modify      FP 4253/6253  TO:  FP 4253/6253</p>	<p>Quantitative Methods in Forest Products and Furniture. (3) (Prerequisite: MA 1613 or MA 1713, CS 4093/6093 or concurrent). Three hours lecture. Application of economic principles to the production and marketing of forest products; production theory of single and multi-product firms; computer applications.  TO:  Quantitative Methods in Forest Products and Furniture. (3) (Prerequisite: MA 1613 or MA 1713, BIS 1013, or concurrent). Three hour lecture. Application of economic principles to the production and marketing of forest products; production theory of single and multi-product firms; computer applications.</p> <p><b>Effective: Summer 2001</b></p>
<p>Modify      FP 4323/6323  TO:  FP 4323/6323</p>	<p>Physical Properties of Wood. (3) (Prerequisites: FP 4014 or consent of instructor). Two hours lecture. Three hours laboratory. Equation derivation; dimensional behavior; psychometry; thermal properties; electricity; moisture movement; case studies/problems.  TO:  Physical Properties of Wood. (3) (Prerequisites: FP 1103, MA 1613, PH 1113, or consent of instructor). Two hours lecture. Three hours laboratory. Equation derivation; dimensional behavior; psychometry; thermal properties; electricity; moisture movement; case studies/problems.</p> <p><b>Effective: Summer 2001</b></p>

<p>Modify      FP 4423/6423  TO:  FP 4423/6423</p>	<p>Mechanical Properties of Wood. (3) (Prerequisites: FP 4014 or consent of instructor). Two hours lecture. Three hours laboratory. Strength and elasticity of wood and wood composites; variation in properties as function of structure, moisture, temperature and time; derivation of working stresses; structural design.  TO:  Mechanical Properties of Wood. (3) (Prerequisites: FP 1103, MA 1613, PH 1113, or consent of instructor). Two hours lecture. Three hours laboratory. Strength and elasticity of wood and wood composites; variation in properties as function of structure, moisture, temperature and time; derivation of working stresses; structural design.</p> <p><b>Effective: Summer 2001</b></p>
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**VETERINARY MEDICINE**

<p>Modify      CVM 2184  TO:  CVM 2182</p>	<p>Techniques with Laboratory Animals (4) Four hours practicum. Supervised rotation through the Laboratory Animal Health Unit of the College of Veterinary Medicine. Students participate in all aspects of laboratory animal care and management (offered to students in the Veterinary Technology Program only).  TO:  Techniques with Laboratory Animals (2) Two hours practicum. Supervised rotation through the Laboratory Animal Health Unit of the College of Veterinary Medicine. Students participate in all aspects of laboratory animal care and management (offered to students in the Veterinary Technology Program only).</p> <p><b>Effective: Spring 2000</b></p>
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<p>Modify      CVM 2204  TO:  CVM 2202</p>	<p>Pharmacy Techniques (4) Four hours practicum. Supervised rotation through the Pharmacy of the College of Veterinary Medicine. Students participate in all technical aspects of pharmaceutical preparation, dispensing, inventory, and management (offered to students in the Veterinary Technology Program only).  TO:  Pharmacy Techniques (2) Two hours practicum. Supervised rotation through the Pharmacy of the College of Veterinary Medicine. Students participate in all technical aspects of pharmaceutical preparation, dispensing, inventory, and management (offered to students in the Veterinary Technology Program only).</p> <p><b>Effective: Spring 2000</b></p>
<p>Modify      CVM 2314  TO:  CVM 2312</p>	<p>Laboratory Animal Care (4) Three hours lecture. One hour laboratory. Orientation to basic principles of laboratory animal care. An introduction to the scientific basis of laboratory animal use. An overview of animal welfare regulations (offered to students in the Veterinary Technology Program only).  TO:  Laboratory Animal Care (2) Two hour practicum. Orientation to basic principles of laboratory animal care. An introduction to the scientific basis of laboratory animal use. An overview of animal welfare regulations (offered to students in the Veterinary Technology Program only).</p> <p><b>Effective: Spring 2000</b></p>
<p>Modify      CVM 2322  TO:  CVM 2321</p>	<p>Veterinary Business Procedures (2) Two hours practicum. Supervised clinical rotation involving the business procedures in a veterinary practice (offered to students in the Veterinary Technology Program only).  TO:  Veterinary Business Procedures (1) One hour practicum. Supervised clinical rotation involving the business procedures in a veterinary practice (offered to students in the Veterinary Technology Program only).</p> <p><b>Effective: Spring 2000</b></p>

<p>Modify      CVM  4104/6104  TO:  CVM  4104/6104</p>	<p>Avian Diagnostic Microbiology. (4) (Prerequisite: MIC 3302 or equivalent) Two hours lecture. Four hours laboratory. A survey of methods used to identify and characterize avian pathogens, including isolation and cultivation of the microorganism, and serological and biotechnological tools for diagnoses.  TO:  Avian Diagnostic Microbiology. (4) Two hours lecture. Four hours laboratory. A survey of methods used to identify and characterize avian pathogens, including isolation and cultivation of the microorganisms, and serological and biotechnological tools for diagnoses.</p> <p><b>Effective: Summer 2001</b></p>
<p>Modify      CVM 5386  TO:  CVM 5380</p>	<p>Small Animal Internal Medicine 2. (6) Six hours practicum. Advanced supervised rotation through the Small Animal Clinic. Students participate in the receiving, analysis, and management of patients referred for medical care.  TO:  Small Animal Internal Medicine. (6-8) Variable hours practicum. Advanced supervised rotation through the Small Animal Clinic. Students participate in the receiving, analysis, and management of patients referred for medical care.</p> <p><b>Effective: Summer 2001</b></p>
<p>Modify      CVM 5704  TO:  CVM 5922</p>	<p>Veterinary Practice Management. (4) Four hours lecture. An in-depth study of management and marketing principles in veterinary practice.  TO:  Veterinary Practice Management. (2) Two hours lecture. An in-depth study of management and marketing principles in veterinary practice.</p> <p><b>Effective: Summer 2001</b></p>

Delete	CVM 5740	Wildlife Care and Management. (1-4) Variable hours practicum. Supervised clinical rotation involving the care and management of injured and orphaned wildlife. Graded on a Pass/Fail basis. Can be repeated for course credit.  <b>Effective: Summer 2001</b>
Delete	CVM 5744	Wildlife Medical Care and Rehabilitation. (4) Four hours practicum. Supervised clinical rotation involving the medical care, management, and rehabilitation of injured and orphaned wildlife.  <b>Effective: Summer 2001</b>
Delete	CVM 5804	Client Relations. (4) (Prerequisite: Consent of instructor). Four hours lecture/discussion. Student will study, discuss, experience, and reflect on various aspects of client relations relevant to the practice of veterinary medicine.  <b>Effective: Summer 2001</b>
Modify	CVM 8303 TO: CVM 8303	Advanced Immunology. (3) (Prerequisite: BIO 6303 or equivalent or consent from the instructor). Three hours lecture. Advanced theory and concepts of Immunology, structure and function of immune mechanisms are discussed in detail. TO: Advanced Immunology. (3) (Prerequisite: BIO 6413 or equivalent or consent from the instructor). Three hours lecture. Advanced theory and concepts of Immunology, structure and function of immune mechanisms are discussed in detail.  <b>Effective: Summer 2001</b>

**Office of the Provost**

Add	EXL 0190 Experiential Learning. (0) (Prerequisite: Permission of Department). Non-classroom learning experience arranged through agreement of student and department, written approval required. Registration provides equivalent of full time enrollment status but no academic credit. Coordinated through Academic Affairs. METHOD OF INSTRUCTION: E CIP NUMBER: Not applicable 24-CHARACTER ABBREVIATION: Experiential Learning I  <b>Effective: Summer 2001</b>
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**PROGRAMS**

Modify	College of Business and Industry-Project Management <sup>1</sup>	The program consists of 18 hours of core MBA courses and 14 hours of specialized courses offered in conjunction with the College of Engineering.  <b>Effective: Fall 2000</b>
Modify	One-Plus-One Veterinary Technology Program	Reduction in total hours to reflect course modifications.  <b>Effective: Spring 2000</b>
Modify	Bachelor of Science in Computer Science	Reduction from 132 to 129 hours (loss of 3 hrs of CS electives).  <b>Effective: Summer 2001</b>
Modify	Bachelor of Science in Computer Science Engineering	Modification of course requirements.  <b>Effective: Fall 2001</b>
Modify	Bachelor of Science in Electrical Engineering	Modification of course requirements.  <b>Effective: Fall 2001</b>
Modify	Bachelor of Science in Industrial Engineering	The current curriculum of 139 hours is being reduced to 135 hours.  <b>Effective: Fall 2001</b>

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<sup>1</sup> Program approved by Office of the Provost following review by Dean's Council.  
Actual proposal not attached for review.

The Academic Deans Council  
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April 6, 2001

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

**Proposals\*\***

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{Provost approval 4/16/01}

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Dr. George S. Rent  
Associate Vice President Academic Affairs

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Date

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

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