

MEMORANDUM

March 22, 2007

TO: Academic Deans Council

FROM: Dr. Timothy N. Chamblee
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 April 6, 2007 by contacting the Committee's office (5-0831), or the office of the Vice President for Academic Affairs (5-3742). If no questions have been raised, the proposals will be considered to have been approved automatically.

1. COURSE PROPOSALS

AGRICULTURE AND LIFE SCIENCES

<p>MODIFY FROM: ADS 1132</p> <p>TO: ADS 1132</p>	<p>Western Equitation. (2). Once lecture hour and one-two hour laboratory. Principles of horsemanship and management and training of western pleasure horses.</p> <p>Introduction to Horsemanship. (2) One hour lecture. Two hours laboratory. Principles of riding, managing, and training pleasure horses.</p> <p>Effective: Fall 2007</p>
<p>ADD ADS 2312</p>	<p>Advanced Horsemanship. (2) One hour lecture. Two hours laboratory. Advanced equine training and riding. Developing and implementing a training regiment using upper level riding skills to produce and advanced performance horse for competition.</p> <p>Method of Instruction: B Method of Delivery: F C.I.P.: 01.0507 24-Character Abbreviation: Advanced Horsemanship</p> <p>Effective: Fall 2007</p>
<p>MODIFY FROM: ADS 3232</p> <p>TO: ADS 3223</p>	<p>Horse Science. (2). Two hours lecture. Breeding, feeding, management, and training of the horse.</p> <p>Horse Management. (3) Two hours lecture. Two hours laboratory. Breeding, feeding, management, and training of the horse.</p> <p>Effective: Fall 2007</p>

<p>MODIFY FROM: ADS 3233</p> <p>TO: ADS 3233</p>	<p>Introduction to Therapeutic Riding. (3). Two lecture hours and one-two hour laboratory. An introductory course to therapeutic horseback riding discussing the therapeutic riding team, facilities, and equipment, standards and accreditation, and special needs of the rider.</p> <p>Equine Assisted Therapy. (3) Two hours lecture. Two hours laboratory. Introduction to equine assisted therapy discussing the equine activities team, facilities and equipment, standards and accreditation, and special needs of the rider.</p> <p>Effective: Fall 2007</p>
<p>ADD FNH 4773/6773</p>	<p>Introduction to Environmental Health. (3) Three hours lecture. Examines the relationship of people to their environment, how the environment can influence physical well-being, and importance of environmental protection to overall community health</p> <p>Method of Instruction: C Method of Delivery: F C.I.P.: 24-Character Abbreviation: Intro to Env Health</p> <p>Effective: Fall 2007</p>

ENGINEERING

<p>MODIFY FROM: CHE 2114</p> <p>TO: CHE 2114</p>	<p>Mass and Energy Balances. (4). (Prerequisites: CH 1223 and CH 1221) Three hour lecture. Two hours laboratory. Application of systems and units, material balances, heats of reaction, energy balances, and chemical equilibria to typical industrial problems.</p> <p>Mass and Energy Balances. (4). (Prerequisites: CH 1223) Three hour lecture. Two hours laboratory. Application of systems and units, material balances, heats of reaction, energy balances, and chemical equilibria to typical industrial problems.</p> <p>Effective: Fall 2007</p>
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MODIFY FROM:	CHE 3113	Chemical Engineering Thermodynamics I. (Prerequisites: CH 1223, MA 2733 and PH 2213, credit or registration in CHE 2114). Three hours lecture. The thermodynamic properties of substances, energy relationships, applications of the first and second law of thermodynamics, flow processes, power cycles, refrigeration and liquefaction.
TO:	CHE 3113	Chemical Engineering Thermodynamics I. (Prerequisites: CH 1223 and PH 2213, Co-requisites: MA 2733 and CHE 2114). Three hours lecture. The thermodynamic properties of substances, energy relationships, applications of the first and second law of thermodynamics, flow processes, power cycles, refrigeration and liquefaction. Effective: Fall 2007
MODIFY FROM:	CHE 3123	Chemical Engineering Thermodynamics II. (Prerequisites: MA 2743, PH 2223, C or better in CHE 3113). Three hours lecture. Treatment of ideal and non-ideal mixtures, phase equilibria and chemical equilibria.
TO:	CHE 3123	Chemical Engineering Thermodynamics II. (Prerequisites: MA 2743, C or better in CHE 2114, C or better in CHE 3113). Three hours lecture. Treatment of non-ideal effects. High pressure behavior of pure substances. Thermodynamics of ideal and non ideal mixtures, phase equilibria and chemical equilibria. Effective: Fall 2007

<p>MODIFY FROM: CHE 3213</p> <p>TO: CHE 3213</p>	<p>Heat Transfer Operations. (Prerequisites: CHE 3203; Co-requisite: CHE 3113). Three hours lecture. Fundamentals of heat transfer in chemical engineering processes and process equipment. Special emphasis given to the economics of heat exchanger design and heat recovery.</p> <p>Heat Transfer Operations. (Prerequisites: C or better in CHE 3203; Co-requisite: CHE 3113). Three hours lecture. Fundamentals of heat transfer in chemical engineering processes and process equipment. Special emphasis given to the economics of heat exchanger design and heat recovery.</p> <p>Effective: Fall 2007</p>
<p>MODIFY FROM: CHE 4223/6223</p> <p>TO: CHE 4223/6223</p>	<p>Process Instrumentation and Control. (Prerequisite: MA 3253, C or better in CHE 3213, and C or better in CHE 3223). Three hours lecture. Fundamental principles of momentum, heat and mass transport. Relationships between transport processes and the physical property distributions in fluids and solids.</p> <p>Process Instrumentation and Control. (Prerequisite: CHE 4113, C or better in CHE 3223). Three hours lecture. Fundamental principles of momentum, heat and mass transport. Relationships between transport processes and the physical property distributions in fluids and solids.</p> <p>Effective: Fall 2007</p>
<p>MODIFY FROM: CHE 4233/6233</p> <p>TO: CHE 4233/6233</p>	<p>Chemical Plant Design. (Prerequisite: C or better in CHE 4134 and C or better in CHE 4113). Three hours lecture. Application of scientific and engineering principles to the design and economic evaluation of industrial chemical plants.</p> <p>Chemical Plant Design. (Prerequisite: CHE 4134 and CHE 4113). Three hours lecture. Application of scientific and engineering principles to the design and economic evaluation of industrial chemical plants.</p> <p>Effective: Fall 2007</p>

<p>MODIFY FROM: CHE 4313/6313</p> <p>TO: CHE 4313/6313</p>	<p>Transport Phenomena. (Prerequisites: MA 3253 and PH 2233). Three hours lecture. Fundamental principles of momentum, heat and mass transport. Relationships between transport processes and the physical property distributions in fluids and solids.</p> <p>Transport Phenomena. (Prerequisites: MA 3253 and C or better in CHE 3213). Three hours lecture. Fundamental principles of momentum, heat and mass transport. Relationships between transport processes and the physical property distributions in fluids and solids.</p> <p>Effective: Fall 2007</p>
<p>MODIFY FROM: IE 8753</p> <p>TO: IE 8753</p>	<p>Dynamic Programming. (Prerequisites: MA 2733 and IE 4613). Three hours lecture. Study of serial and non serial multistage systems both deterministic and stochastic. Principles of optimality. Application of dynamic programming to industrial and management problems.</p> <p>Dynamic Programming. (Prerequisites: MA 2733 and IE 4613). Three hours lecture. Applications of network optimization problems and simplex algorithm; and dynamic programming to industrial/management problems. Study of serial/non-serial multistage deterministic and stochastic systems. Principles of optimality.</p> <p>Effective: Fall 2007</p>
<p>Delete</p> <p>IE 8793</p>	<p>Neural Networks in Optimization. (3) Three hours lecture. A study of neural network models and their applications to optimization problems.</p> <p>Effective: Fall 2007</p>

ADD	IE 8793	<p>Heuristics in Optimization. (3) Three hours lecture. A study of heuristic methods and their applications to optimization problems.</p> <p>Method of Instruction: C Method of Delivery: F C.I.P.: 14.3501 24-Character Abbreviation: Heuristics in Optim.</p> <p>Effective: Fall 2007</p>
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2. Degree Approvals

AGRICULTURE AND LIFE SCIENCES

<p>MODIFY</p> <p>FROM:</p> <p>Degree: Bachelor of Science Major: Animal and Dairy Sciences Concentration: Equine Species Emphasis</p> <p>TO:</p> <p>Degree: Bachelor of Science Major: Animal and Dairy Sciences Concentration: Equine Species Emphasis</p>	<p>Modified required courses</p> <p>Effective Date: Spring 2007</p>
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BUSINESS AND INDUSTRY

<p>MODIFY</p> <p>Degree: Bachelor of Business Administration Major: Management</p>	<p>Move Furniture Management Concentration from General Business to a concentration in Management</p> <p>Effective Date: Spring 2007</p>
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3. AOCE Approvals**AGRICULTURE AND LIFE SCIENCES**

FNH 4773/6773	Introduction to Environmental Health
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ARCHITECTURE, ART, & DESIGN

ART 1113	Art Appreciation
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BUSINESS & INDUSTRY

AOCE	Master of Business Administration (MBA)
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ENGINEERING

IE 3913	Engineering Economy I
IE 4113/6113	Human Factors Engineering
IE 4333/6333	Production Control Systems I
IE 4513/6513	Engineering Administration
IE 4543/6543	Logistics Engineering
IE 4623/6623	Engineering Statistics
IE 4653/6653	Industrial Quality Control
IE 4733/6733	Linear Programming
IE 4753/6753	Systems Engineering & Analysis
IE 4773/6773	Systems Simulation I
IE 4923/6923	Six Sigma Methods & Projects
IE 8333	Production Control Systems II
IE 8353	Manufacturing Systems Modeling
IE 8583	Enterprise Systems Engineering
IE 8723	Operations Research
IE 8753	Dynamic Programming
IE 8773	Systems Simulation II
IE 8793	Heuristics in Optimization

4. Maymester

AEC 2713	Introduction to Food and Resource Economics
AEC 8843	Survey Design and Experimental Economics

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

Proposals**

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

Date

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