MEMORANDUM

October 1, 2009

TO: Academic Deans Council

FROM: Dr. Timothy N. Chamblee
UCCC Chair

RE: Change Notice 1

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 October 21, 2009 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 & LIFE SCIENCES

ADD AIS 2413	**Introduction to Agricultural Information Science.** (3). Three hours lecture. History and principles or agricultural education programs; program development, management, and community involvement; career opportunities in agricultural education. METHOD OF INSTRUCTION: C DELIVERY: F C.I.P. 01.0801 24-CHAR: Intro to Ag Info Science Effective: Fall 10
MODIFY AIS 8113 FR: TO: AIS 4113/6113	**Planning AEST Programs.** (3). (Prerequisite: AIS 4203/6203 or consent of instructor). One hour lecture. Six hours laboratory. Objectives, materials, and teaching methods for planning, organizing and managing agricultural and environmental science and technology programs. Not: Only for agriscience teachers seeking AEST endorsement. **Methods of Teaching Agriscience.** (3). (Prerequisite: AIS 4203/6203 or consent of instructor). Two hours lecture. Four hours laboratory. Objectives, materials, and teaching methods for planning, organizing, and managing agricultural science programs. METHOD OF INSTRUCTION: C DELIVERY: F C.I.P. 01.0801 24-CHAR: Methods of Teach Agrisci Effective: Spring 10
ADD AIS 8513	**Volunteer Development in Agricultural and Extension Education.** (3). Three hours lecture. Principles, theory and practice of volunteer development in extension education, high schools, communities, and/or non-profit organizations. METHOD OF INSTRUCTION: C DELIVERY: F C.I.P. 01.0801 24-CHAR: Vol Develop Ag & Ext Ed Effective: Spring 10

ADD GNS 8961	**Nobel Topics in Physiology/Medicine and Chemistry.** (1). One hour seminar. (Prerequisite: Graduate standing and consent of instructor). The course will provide historic and current understanding of topics awarded with a Nobel Prize. (Same as CVM 8961 and FO 8961). (May be repeated three times for credit). METHOD OF INSTRUCTION: S DELIVERY: F C.I.P. 51.2501 24-CHAR: Nobel Topics Effective: Spring 10

ARTS & SCIENCES

ADD AN 8011	**Professionalization in Applied Anthropology.** (1). One hour seminar. Students are introduced to norms of professional behavior in Applied Anthropology, with focus on success in graduate school and preparation for the job market. METHOD OF INSTRUCTION: S DELIVERY: F C.I.P. 45.0202 24-CHAR: Professn Applied Anthro Effective: Fall 10
ADD AN 8013	**Quantitative Methods in Anthropology.** (3). Three hours lecture. Students are introduced to quantitative methods utilized in anthropological research. Students will examine anthropological research design, sampling strategies, probability theory, and various statistical approaches. METHOD OF INSTRUCTION: C DELIVERY: F C.I.P. 45.0202 24-CHAR: Quant Methods in Anthro Effective: Fall 10
MODIFY FR: AN 8216 TO: AN 8215	**Internship in Applied Anthropology.** (6). A minimum of nine weeks of supervised professional anthropology experience in an approved setting. **Internship in Applied Anthropology.** (5). A minimum of nine weeks of supervised professional anthropology experience in an approved setting. Effective: Spring 10

BUSINESS

MODIFY FR: EC 8043	**Survey of Economics.** (3). (Prerequisite: Graduate standing). Three hours lecture. Introduction to macro and microeconomics, national income accounts, monetary systems, macroeconomics policy, international trade, supply, and demand, distribution of income, markets, pricing, and output.
TO: EC 4043	**Survey of Economics.** (3). (Prerequisite: Graduate standing). Three hours lecture. Introduction to macro and microeconomics, national income accounts, monetary systems, macroeconomics policy, international trade, supply, and demand, distribution of income, markets, pricing, and output. (Not open to BACC or BBA business majors). Effective: Spring 10
DELETE FIN 8052	**Survey of Finance.** (2). (Prerequisite: Graduate standing; ACC 8013, and BQA 8033, and ECE 8043, equivalent or concurrent enrollment). Two hours lecture. Survey of financial management, analysis, planning, controls, sources/uses of funds, capital budgeting, and working capital with word processing, spreadsheet and database applications. Effective: Spring 10
MODIFY FR: FIN 8112	**Capital Acquisition and Allocation.** (2). (Prerequisite: FIN 8052 or equivalent). Two hours lecture. Integration of risk and return concepts, capital structure, cash flow estimation, the capital acquisition process and capital budgeting into one framework.
TO: FIN 8113	**Corporate Finance.** (3). (Prerequisite: Graduate standing and FIN 3123 or equivalent).Three hours lecture. An examination of the interaction between financial accounting, cash flow estimation, capital budgeting, risk and return, capital structure, and working capital management. METHOD OF INSTRUCTION: C DELIVERY: F C.I.P. 52.0803 24-CHAR: Corporate Finance Effective: Spring 10

DELETE FIN 8122	**Corporate Liquidity Analysis.** (2). (Prerequisite: FIN 8052 or equivalent). Two hours lecture. The role working capital plays in the viability of the firm and the financial management tools used to analyze and mange the firm's liquidity position. Effective: Spring 10

ENGINEERING

MODIFY FR: CHE 2114	**Mass and Energy Balances.** (4). (Prerequisite: CH 1223). Three hours lecture. Two hours laboratory. Applications of systems of units, materials balances, heats of reaction, energy balances, and chemical equilibria to typical industrial problems.
TO: CHE 2114	**Mass and Energy Balances.** (4). (Prerequisite: CH 1223 and credit or registration in MA 1713). Three hours lecture. Two hours laboratory. Applications of systems of units, materials balances, heats of reaction, energy balances, and chemical equilibria to typical industrial problems. Effective: Spring 10
MODIFY FR: CHE 3203	**Fluid Flow Operations.** (3). (Prerequisite: PH 2213). Three hours lecture. Fundamentals of fluid flow behavior in chemical processes emphasized by extensive calculations. Design of fluid flow systems.
TO: CHE 3203	**Fluid Flow Operations.** (3). (Prerequisite: PH 2213 and credit or registration in both CHE 2114 and MA 1723). Three hours lecture. Fundamentals of fluid flow behavior in chemical processes emphasized by extensive calculations. Design of fluid flow systems. Effective: Spring 10

MODIFY FR: CHE 3213 TO: CHE 3213	**Heat Transfer Operations.** (3). (Prerequisite: a grade of C or better in CHE 3203; Corequisite: 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. **Heat Transfer Operations.** (3). (Prerequisite: MA 2743; a grade of C or better in either CHE 3203 or EM 3313; Corequisite: CHE 3113 and MA 3253). 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. Effective: Spring 10
MODIFY FR: CHE 3222 TO: CHE 3222	**Chemical Engineering Laboratory I. (**2). (Prerequisite: a grade of C or better in CHE 3203, C or better in CHE 3213). Four hours laboratory. Experiments in chemical engineering unit operations related to fluid flow and heat transfer. Experimental design/statistical treatment of data. Health/safety concerns in the laboratory. **Chemical Engineering Laboratory I. (**2). (Prerequisite: a grade of C or better in CHE 3203 or EM 3313, C or better in CHE 3213). Four hours laboratory. Experiments in chemical engineering unit operations related to fluid flow and heat transfer. Experimental design/statistical treatment of data. Health/safety concerns in the laboratory. Effective: Spring 10

MODIFY FR:	CHE 4113/6113	**Chemical Reactor Design.** (3). (Prerequisites: MA 3253, C or better in CHE 3123). Three hours lecture. The fundamentals of chemical reaction kinetics with applications.
TO:	CHE 4113/6113	**Chemical Reactor Design.** (3). (Prerequisites: MA 3253, C or better in both CHE 3123 and MA 3253). Three hours lecture. The fundamentals of chemical reaction kinetics with applications. Effective: Spring 10
MODIFY FR:	CHE 4134/6134	**Process Design.** (4). (Prerequisite: IE 3913 and C or better in CHE 3123 and C or better in CHE 3223).Three hours lecture. Two hours laboratory. Design and analysis of chemical and environmental engineering processes utilizing momentum, energy, and mass transport principles.
TO:	CHE 4134/6134	**Process Design.** (4). (Prerequisite: IE 3913 and C or better in the following three courses - CHE 3123, CHE 3213, and CHE 3223).Three hours lecture. Two hours laboratory. Design and analysis of chemical and environmental engineering processes utilizing momentum, energy, and mass transport principles. Effective: Spring 10
MODIFY FR:	CHE 4313/6313	**Transport Phenomena.** (3). (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.
TO:	CHE 4313/6313	**Transport Phenomena.** (3). (Prerequisites: a grade of C or better in the following courses - CHE 3213, MA 3253, and either CHE 3203 or EM 3313). Three hours lecture. Fundamental principles of momentum, heat and mass transport. Relationships between transport processes and the physical property distributions in fluids and solids. Effective: Spring 10

ADD EM 8213	**Fracture Mechanics.** (3). (Prerequisite: EM 3213 or consent of instructor). Three hours lecture. History of fracture and development of fracture mechanics principles. Linear elastic and elastic-plastic stress analysis of cracked bodies. ASTM standards and applications. METHOD OF INSTRUCTION: C DELIVERY: F C.I.P. 14.1101 24-CHAR: Fracture Mechanics Effective: Spring 10
MODIFY FR: ME 8253 TO: ME 8253	**Fatigue and Fracture in Engineering Design**. (3). Three hours lecture. Stress analysis of cracked components. Prediction and prevention of fatigue and fracture. **Fatigue in Engineering Design**. (3). Three hours lecture. Prediction and prevention of fatigue failure in metallic materials. METHOD OF INSTRUCTION: C DELIVERY: F C.I.P. 14.1101 24-CHAR: Fatigue in Engin Design Effective: Spring 10

FOREST RESOURCES

ADD FO 8961	**Nobel Topics in Physiology/Medicine and Chemistry.** (1). One hour seminar. (Prerequisite: Graduate standing and consent of instructor). The course will provide historic and current understanding of topics awarded with a Nobel Prize. (Same as CVM 8961 and GNS 8961). (May be repeated three times for credit). METHOD OF INSTRUCTION: S DELIVERY: F C.I.P. 51.2501 24-CHAR: Nobel Topics Effective: Spring 10

VETERINARY MEDICINE

MODIFY FR: CVM 2101 TO: CVM 3101 	**Veterinary Technology Medical Terminology**. (1). One hour lecture. Veterinary medical terminology, focusing on fundamental recognition, interpretation and usage of medical terms. **Veterinary Technology Medical Terminology**. (1). One hour lecture. Veterinary medical terminology, focusing on fundamental recognition, interpretation and usage of medical terms. Effective: Fall 10
ADD CVM 8961	**Nobel Topics in Physiology/Medicine and Chemistry.** (1). One hour seminar. (Prerequisite: Graduate standing and consent of instructor). The course will provide historic and current understanding of topics awarded with a Nobel Prize. (Same as GNS 8961 and FO 8961). (May be repeated three times for credit). METHOD OF INSTRUCTION: S DELIVERY: F C.I.P. 51.2501 24-CHAR: Nobel Topics Effective: Spring 10

2. DEGREE PROPOSALS

AGRICULTURE & LIFE SCIENCES

MODIFY Degree: Bachelor of Science Major: Food Science, Nutrition and Health Promotion	Change to the required course for the nutrition concentration Effective: Spring 10
MODIFY Degree: Bachelor of Science Major: Human Sciences	Change to catalog description and remove the grade requirement for transfer students. Effective: Spring 10
TECHNICAL CHANGE Degree: Master of Agribusiness Management (MABM)	Change of the foundation course listing from course numbers to course titles Effective: Spring 10

ARTS & SCIENCES

MODIFY Degree: Master of Arts Major: Applied Anthropology	Change in credit hours for internship, and the addition of 2 new courses. Effective: Spring 10

BUSINESS

MODIFY Degree: Bachelor of Business Administration Major: Marketing Concentration: All	Add MKT 4113 to the major core Effective: Spring 10

EDUCATION

MODIFY Degree: Master of Arts in Teaching-Secondary	Change in Required courses Effective: Spring 10

FOREST RESOURCES

MODIFY Degree: Bachelor of Science Major: Forestry Concentration: Environmental Conservation, Forest Management, Forest Products, Urban Forestry, and Wildlife Management	Changes to catalog description, required courses, course titles, and degree hours Effective: Spring 10

3. AOCE COURSE PROPOSALS

AGRICULTURE & LIFE SCIENCES

FNH 2293	Individual and Family Nutrition
HS 2293	Individual and Family Nutrition

ENGINEERING

CSE 4223/6223	Managing Software Projects
CSE 4263/6263	Introduction to VLSI Design
CSE 4273/6273	Microelec Device Design
CSE 8273	Software Requirements Engineering
ECE 4643/6643	Power Systems Relaying and Control
ECE 4713/6713	Computer Architecture
ECE 4743/6743	Digital Systems Design
ECE 4853/6853	Electro-Optics
ECE 8273	VLSI Systems I

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

Proposals**

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