

MEMORANDUM

April 21, 2011

TO: Academic Deans Council

FROM: Dr. Angi E. Bourgeois
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 29 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

AGRICULTURAL AND LIFE SCIENCES

<p>Add ADS 4313/6313</p>	<p>Advanced Science of Muscle Foods. (3). Exploration of the ultra-structure of muscle (pre and post harvest), and the microbiology, inspection and safety, nutritional properties, and sensory characteristics of muscle. (Same as FNH 4313/6313)</p> <p>METHOD OF INSTRUCTION: C DELIVERY: F C.I.P.: 34.0199 24-CHAR: Sch Comm Drug Use Prev</p> <p>Effective: Summer 2011</p>
<p>Modify Fr: ADS 4314/6314</p> <p>To: ADS 3314</p>	<p>Meats Processing. (4). Three hours lecture. Two hours laboratory. Survey of the meat industry with emphasis on slaughtering, cutting, curing, cooling, care, storage and manufacturing meats and meat products. (Same As FNH 4314/6314.)</p> <p>Introduction to Meat Science. (4). Three hours lecture. Two hours laboratory. Introduction to survey of the muscle food industry including history, production or meat including harvesting, inspection, evaluation and fabrication, storage and value added manufacturing of meat (Same as FNH 3314).</p>
<p>Delete AEC 4723/6723</p>	<p>Modeling for Agricultural Management</p>
<p>Add AEC 8403</p>	<p>Game Theory. (3). (Prerequisites: AEC 8163 or EC 8163; or consent of instructor). Three hours lecture. An exploration of how agencies interact strategically (Same as EC 8413)</p> <p>METHOD OF INSTRUCTION: C DELIVERY: F C.I.P.: 01.0103 24-CHAR: Game Theory</p> <p>Effective: Fall 2011</p>

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<p>Add FNH 4313/6313</p>	<p>Advanced Science of Muscle Foods. (3). Exploration of the ultra-structure of muscle (pre and post harvest), and the microbiology, inspection and safety, nutritional properties, and sensory characteristics of muscle. (Same as ADS 4313/6313)</p> <p>METHOD OF INSTRUCTION: C DELIVERY: F C.I.P.: 34.0199 24-CHAR: Sch Comm Drug Use Prev</p> <p>Effective: Summer 2011</p>
<p>Modify Fr: FNH 4314/6314</p> <p>To: FNH 3314</p>	<p>Meats Processing. (4). Spring semester. Three hours lecture. Two hours laboratory. Survey of the meat industry with emphasis on slaughtering, cutting, curing, cooling, care, storage and manufacturing meats and meat products. (Same As FNH 4314/6314.)</p> <p>Introduction to Meat Science. (4). Three hours lecture. Two hours laboratory. Introduction to survey of the muscle food industry including history, production or meat including harvesting, inspection, evaluation and fabrication, storage and value added manufacturing of meat (Same as ADS 3314).</p>
<p>Add FNH 4783/6783</p>	<p>School and Community Drug Use Prevention. (3). Three hours lecture. Evidence-based prevention program for alcohol, tobacco, and other drugs in schools and communities. Focus on prevention through the Coordinated School Health Programs.</p> <p>METHOD OF INSTRUCTION: C DELIVERY: F C.I.P.: 34.0199 24-CHAR: Sch Comm Drug Use Prev</p> <p>Effective: Summer 2011</p>

ARTS AND SCIENCES

Add	GLA 4001	<p>Senior Project. (3). Two hours lecture. Two hours laboratory. The use of drawings to communicate ideas of manufacturing and maintenance in machining, electricity/electronics, welding, and hydraulics/pneumatics.</p> <p>METHOD OF INSTRUCTION: C DELIVERY: F C.I.P.: 24.0101 24-CHAR: Senior Project</p> <p>Effective: Fall 2011</p>
Add	HI 4553/6553	<p>Science and Technology to Newton. (3). Three hours lecture. An examination of the history of science and technology form pre-history to Newton.</p> <p>METHOD OF INSTRUCTION: C DELIVERY: F C.I.P.: 54.0104 24-CHAR: Sci & Tech to Newton</p> <p>Effective: Fall 2011</p>

BUSINESS

Add	BUS 9113	<p>Preparing Future Business Faculty. (3). Three hours lecture. An examination of teaching, research, and service expectations for business academicians. Selected topics include institutional support, instructional technologies, journal submission, and job market.</p> <p>METHOD OF INSTRUCTION: C DELIVERY: F C.I.P.: 52.0201 24-CHAR: Prep Future Bus Faculty</p> <p>Effective: Summer 2011</p>
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Add	EC 8403	<p>Game Theory. (3). Three hours lecture. (Prerequisites: AEC 8163 or EC 8163; or consent of instructor). An exploration of how economics agents interact strategically. (Same as AEC 8413).</p> <p>METHOD OF INSTRUCTION: C DELIVERY: F C.I.P.: 45.0699 24-CHAR: Game Theory</p> <p>Effective: Fall 2011</p>
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EDUCATION

Add	TKI 1203	<p>Industrial Communications. (3). Two hours lecture. Two hours laboratory. The use of drawings to communicate ideas of manufacturing and maintenance in machining, electricity/electronics, welding, and hydraulics/pneumatics.</p> <p>METHOD OF INSTRUCTION: DELIVERY: F C.I.P.: 15.0612 24-CHAR: Industrial Communication</p> <p>Effective: Fall 2011</p>
Modify Fr:	TKI 2113	<p>Introduction to PLC Programming. (3). (Prerequisite: TKI 1813). Three hours lecture. Study of fundamental methods in the programming of industrial PLC with regard to language and logic.</p>
To:	TKI 2113	<p>Introduction to PLC Programming. (3). Three hours lecture. Study of fundamental methods in the programming of industrial PLC with regard to language and logic.</p> <p>Effective: Fall 2011</p>

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Modify Fr:	TKI 2123	Introduction to CNC Programming. (3). (Prerequisite: EG 1443 and MA 1323). Two hours lecture. Two hours laboratory. Study of fundamental concepts and techniques in the construction and programming of computer numerical controlled machines.
To:	TKI 2123	Introduction to CNC Programming. (3). (Prerequisite: TKI 1203). Two hours lecture. Two hours laboratory. Study of fundamental concepts and techniques in the construction and programming of computer numerical controlled machines. Effective: Fall 2011
Modify Fr:	TKI 2323	Forging, Welding & Foundry. (3). (Prerequisite: EG 1443 & Concurrent or credit in TKI 1813). Six hours laboratory. Practice in hand forging; annealing, hardening and tempering of tool steel; casting, gas and electric welding; plasma arc cutting.
To:	TKI 2323	Forging, Welding & Foundry. (3). (Prerequisite: TKI 1203). Six hours laboratory. Practice in hand forging; annealing, hardening and tempering of tool steel; casting, gas and electric welding; plasma arc cutting. Effective: Fall 2011
Modify Fr:	TKI 3243	Industrial Metrology. (3). (Prerequisite: TKI 2123. BQA 2113 & Junior Standing). Two hours lecture. Two hours laboratory. Study of fundamental and advanced methods employed for measurement in industry.
To:	TKI 3243	Industrial Metrology. (3). (Prerequisite: TKI 2123). Two hours lecture. Two hours laboratory. Study of fundamental and advanced methods employed for measurement in industry. Effective: Fall 2011

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Modify Fr: TKI 3343 To: TKI 3343	<p>CAD/CAM. (3). (Prerequisite: 3183). Two hours lecture. Two hours laboratory. Basic to intermediate drafting and design techniques using CAD and CAM software, with special emphasis placed on tolerancing, dimensioning, and manufacturing processing routes and selection.</p> <p>CAD/CAM. (3). (Prerequisite: 2123). Two hours lecture. Two hours laboratory. Basic to intermediate drafting and design techniques using CAD and CAM software, with special emphasis placed on tolerancing, dimensioning, and manufacturing processing routes and selection.</p> <p>Effective: Fall 2011</p>
Modify Fr: TKI 4113/6113 To: TKI 4113/6113	<p>Industrial Fluid Power. (3). (Prerequisite: PHI 1113 and TKI 2813 & Junior Standing). One hours lecture. Four hours laboratory. A practical study of fluid power concepts, components, and systems as relates to modern industrial applications and to appropriate scientific principles. Hands-on laboratory activities.</p> <p>Industrial Fluid Power. (3). (Prerequisite: PHI 1113 or higher & Junior Standing). One hours lecture. Four hours laboratory. A practical study of fluid power concepts, components, and systems as relates to modern industrial applications and to appropriate scientific principles. Hands-on laboratory activities.</p> <p>Effective: Fall 2011</p>
Modify Fr: TKI 4203/6203 To: TKI 4203/6203	<p>Automated Systems. (3). (Prerequisite: TKI 2113 and TKI 4103). Two hours lecture. Two hours laboratory. An advanced study of automated systems and applications for the Industrial Technologist.</p> <p>Automated Systems. (3). (Prerequisite: TKI 2113 and Senior Standing). Two hours lecture. Two hours laboratory. An advanced study of automated systems and applications for the Industrial Technologist.</p> <p>Effective: Fall 2011</p>

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<p>Modify Fr: TKI 4233/6233</p> <p>To: TKI 4233/6233</p>	<p>Maintenance Management. (3). (Prerequisite: TKI 4223/6223). Three hours lecture. Understanding of the concepts and practices of Total Productive Management, to give a proactive production maintenance strategy for the future.</p> <p>Maintenance Management. (3). (Prerequisite: Senior Standing). Three hours lecture. Understanding of the concepts and practices of Total Productive Management, to give a proactive production maintenance strategy for the future.</p> <p>Effective: Fall 2011</p>
<p>Modify Fr: TKI 4263/6263</p> <p>To: TKI 4263/6263</p>	<p>Manufacturing Technology & Processes. (3). (Prerequisite: TKI 3363). One hour lecture. Four hours laboratory. Interpretation of modern industry duplicates the life cycle of an industrial enterprise in a laboratory environment.</p> <p>Manufacturing Technology & Processes. (3). (Prerequisite: Senior Standing). Three hours lecture. Discussion and appreciation of manufacturing processes with regard to material processing.</p> <p>Effective: Fall 2011</p>
<p>Modify Fr: TKI 4413/6613</p> <p>To: TKI 4413/6613</p>	<p>Evolution of Technology. (3). (Prerequisite: EN 3313 and Senior Standing). Three hours lecture. A discussion and appraisal of modern technology and how the technology we have today evolved from the past and how it now affects mankind in industry.</p> <p>Evolution of Technology. (3). (Prerequisite: Junior Standing). Three hours lecture. A discussion and appraisal of modern technology and how the technology we have today evolved from the past and how it now affects mankind in industry.</p> <p>Effective: Fall 2011</p>

FOREST RESOURCES

Modify Fr: FP 8123	Advanced Lignocell Chemistry. (3). (Prerequisite: Consent of instructor). Three hours lecture. Carbohydrate chemistry; chemistry of cellulose and cell-ulosics, hemicelluloses, lignins, extractives, and bark; pulping and bleaching chemistry; analysis of lignocellulosic materials; biodegradation of lignocellulosics; biomass products.
To: FP 8123	Advanced Lignocell Biomass Chemistry. (3). (Prerequisite: Consent of instructor). Three hours lecture. Carbohydrate chemistry; chemistry of cellulose and cell-ulosics, hemicelluloses, lignins, extractives, and bark; pulping and bleaching chemistry; analysis of lignocellulosic materials; biodegradation of lignocellulosics; biomass products.
Delete WFA 6153	Principles of Wildlife Conservation & Management
Delete WFA 6243	Wildlife Techniques
Delete WFA 6423	Herpetology
Delete WFA 6433	Mammalogy
Delete WFA 6443	Ornithology
Delete WFA 6453	Icthyology
Delete WFA 6463	Human Dimensions of Wildlife & Fisheries
Delete WFA 6473	Wildlife & Fisheries Practices

2. Degree Proposals

ARTS AND SCIENCES

Modify Degree: Bachelor of Art Major: General Liberal Arts	Add GLA 4001 as required course. Effective: Fall 2011
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3. AOCE Proposals

EDUCATION

COE 6313	Resources for Persons who are Visually Impaired
COE 8293	Supervised Project
SS 3303	Communication Management in Sport
TKT 4886,4896	Teaching Internship in Technology Teacher Education

ENGINEERING

MS	Aerospace Engineering
PhD	Engineering

4. Maymester Proposals

EP 4113/6113	Fitness Programs and Testing Procedures
EP 4503	Mechanical Analysis of Human Movement
EP 4703	Neural Control of Human Movement

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

Proposals**

Dr. Peter L. Ryan
Associate Vice President for Academic Affairs

Date