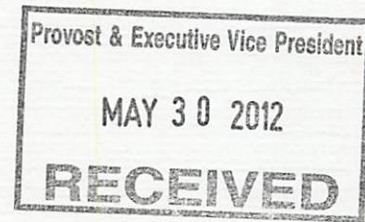




MISSISSIPPI STATE
UNIVERSITY

**UNIVERSITY COMMITTEE ON
COURSES AND CURRICULA**

244 Magruder Street
Mail Stop 9699
Mississippi State, MS 39762
Phone: (662) 325-0831
Fax: (662) 325-0832



MEMORANDUM

May 24, 2012

TO: Academic Deans Council

FROM: Dr. Angi E. Bourgeois *AEB*
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 7, 2012 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

ACADEMIC AFFAIRS

Modify	SLCE 1002	Day One Leadership Community. (2). Two hours lecture. Introduction to and engagement of core principles of leadership through instruction, mentor discussion, and community service-learning projects.
To:	SLCE 1002	Day One Leadership Community (2). One hour lecture, two hours leadership laboratory. Introduction to and engagement of core principles of leadership through instruction, mentor discussion, and community service-learning projects Effective: Fall 2012

AGRICULTURE AND LIFE SCIENCES

Add	HS 4831	Child Life Foundations. (1). (Prerequisites: HS 2813, junior standing and permission of instructor). One hour lecture. Foundations and history of child life practice including impact of illness on child and family, elements of therapeutic play and medical preparation. METHOD OF INSTRUCTION: C DELIVERY: F C.I.P.: 19.0701 24-CHAR: Child Life Foundations Effective: Fall 2012
-----	---------	--

ARTS & SCIENCES

Add	PS 4633/6633	<p>Democracy and Democratization. (3). (Prerequisite: PS 1513). Three hours lecture. This course examines aspects of the evolution of democracy from its historical and conceptual origins to the present, explores democracy's classical definition and its understating within modern political science, and considers efforts to measure democracy.</p> <p>METHOD OF INSTRUCTION: C DELIVERY: F C.I.P.: 45.0901 24-CHAR: Democracy and Democrat</p> <p>Effective: Fall 2012</p>
-----	--------------	--

EDUCATION

Modify	TKI 2323	<p>Forging, Welding, and 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.</p> <p>Forging, Welding, and Foundry. (3). Six hours laboratory. Practice in hand forging; annealing, hardening and tempering of tool steel; casting, gas and electric welding; plasma arc cutting.</p> <p>Effective: Fall 2012</p>
To:	TKI 2323	
Delete	TKT 3173	<p>Methods of Teaching Business Education Skills Subjects.</p>
Modify	TKT 4143/6143	<p>History and Philosophy of Vocational and Technology Education. (3). Three hours lecture. History and development, aims, and purposes of vocational education.</p> <p>History and Philosophy of Career and Technology Education. (3). Three hours lecture. History, development, aims, and purposes of career and technical education.</p> <p>Effective: Fall 2012</p>
To:	TKT 4143/6143	

Modify	TKT 4153/6153	Teaching Business Technology. (3). (Prerequisite: Admission to teacher education for teacher education majors). Three hours lecture. A study of objectives, materials, and teaching methods appropriate for business technology courses.
To:	TKT 4153/6153	Methods of Teaching Economics/Business Pathways. (3). (Prerequisite: Admission to teacher education for teacher education majors). Three hours lecture. A study of objectives, materials, and teaching methods appropriate for economics and Business Pathway courses. Effective: Fall 2012
Modify	TKT 4183/6183	Coordination of Part-Time Learning. (3). Three hours lecture. Principles of promotion, organization, and operation of part time cooperative classes in vocational education; instruction in analyzing needs, preparing a schedule of processes, developing instruction materials.
To:	TKT 4183/6183	Methods of Teaching Career Pathways Experiment. (3). Three hours lecture. Principles of promotion, organization, and operation of Career Pathway Experience classes in career and technical education; instruction in analyzing needs, developing materials, evaluation the program. Effective: Fall 2012
Modify	TKT 4213/6213	Teaching Basic Business Subjects. (3). Three hours lecture. Objectives, materials, and methods of teaching basic business subject.
To:	TKT 4213/6213	Methods of Teaching Business Subjects. (3). Three hours lecture. Objectives, materials, and methods of teaching basic business subject. Effective: Fall 2012

Modify TKT 4463/6463	<p>Methods of Teaching Information and Communication Technology I. (3). (Prerequisite: keyboarding proficiency using the touch method). Three hours lecture. A study of objectives, materials, and teaching methods appropriate for Information and Communication Technology I.</p>
To: TKT 4463/6463	<p>Methods of Teaching Technology in the Middle School (3). (Prerequisite: Admission to Teacher Education for teacher education majors and keyboarding proficiency using the touch method). Three hours lecture. A study of objectives, materials, and methods appropriate for teaching technology in the middle school</p> <p>Effective: Fall 2012</p>
Add TKT 4763/6763	<p>Digital Tool for 21st Century Teaching and Learning. (3). (Prerequisite: TKT 1273 or consent of the instructor). Three hours lecture. Methods of using digital tools for effective learning that is aligned with national standard in the 21st century classroom.</p> <p>METHOD OF INSTRUCTION: C DELIVERY: F C.I.P.: 13.1309 24-CHAR: Digital Tools/Learning</p> <p>Effective: Spring 2013</p>

ENGINEERING

Add CE 8463	<p>Theoretical Soil Mechanics. (3). Three hours lecture. Modern interpretation of soil behavior for engineering applications. Extrapolation of actual conditions from standard testing results.</p> <p>METHOD OF INSTRUCTION: C DELIVERY: F C.I.P.: 14.0801 24-CHAR: Theoretical Soil Mechanics</p> <p>Effective: Fall 2012</p>
------------------------	---

Add	CE 8553	<p>Rivers, Estuaries & Coasts. (3). Three hours lecture. Basics of physical processes in rivers, estuaries, and coastal zones and engineered solutions. Physical problems concerning flow and sedimentation.</p> <p>METHOD OF INSTRUCTION: C DELIVERY: F C.I.P.: 14.0801 24-CHAR: Rivers, Estuaries, and Coasts</p> <p>Effective: Fall 2012</p>
Add	CE 8673	<p>Blast Effects and Structures Responses. (3). Three hours lecture. Fundamental blast phenomena. Blast loadings on structures and effects on occupants. Design and analysis of structural elements and systems subjected to blast.</p> <p>METHOD OF INSTRUCTION: C DELIVERY: F C.I.P.: 14.0801 24-CHAR: Blast Effects</p> <p>Effective: Fall 2012</p>
Modify	CHE 3223	<p>Mass Transfer Operations. (3). (Prerequisite: C or better in CHE 3203; Credit or registration in CHE 3213). Three hours lecture. Quantitative relationships for equilibrium stage operations such as extraction and distillation. Applications of principles of mass transfer, diffusion, and absorption. Application of equipment design.</p>
To:	CHE 3223	<p>Separation Processes. (3). (Prerequisite: C or better in CHE 3203; Credit or registration in CHE 3213 and CHE 3123). Three hours lecture. Fundamentals of separation processes, including distillation, gas, absorption/stripping, liquid-liquid extraction, membrane-based processes. Analysis, evaluation, and synthesis of separation processes for binary and multi-component mixtures. Design and sizing of separation equipment.</p> <p>Effective: Spring 2013</p>

Add	ECE 8493	<p>Introduction to Neural Networks. (3). (Prerequisite: ECE4413/6413 or equivalent). Three hours lecture. Neural network architectures, training algorithms, and applications in areas such as signal processing and pattern classification.</p> <p>METHOD OF INSTRUCTION: C DELIVERY: F C.I.P.: 14.1001 24-CHAR: Neural Networks</p> <p>Effective: Fall 2012</p>
Modify	EM 2413	<p>Engineering Mechanics I. (3). (Prerequisite: Grade C or better in MA 1723 and PH 2213). Three hours lecture. Concepts of forces, moments and other vector quantities; analysis of force systems; conditions of equilibrium; friction; centroids and moments of inertia.</p>
To:	EM 2413	<p>Engineering Mechanics I. (3). (Prerequisite: Grade C or better in MA 1723 and PH 2213). Three hours lecture or three hours recitation with online content delivery. Concepts of forces, moments and other vector quantities; analysis of force systems; conditions of equilibrium; friction; centroids and moments of inertia.</p> <p>Effective: Fall 2012</p>

FOREST RESOURCES

Modify	FO 4213/6213	<p>Forest Biometrics. (3). (Prerequisite: FO 3102, FO 3101, and FO 3015). Three hours lecture. Applications of mensurational and statistical principles and techniques in determination of forest growth and yield. Advanced topics of forest resource inventory.</p>
To:	FO 4213/6213	<p>Forest Biometrics(3). (Prerequisite: ST 2113 or equivalent or consent of instructor). Three hours lecture. Applications of mensurational and statistical principles and techniques in determination of forest growth and yield. Advanced topics of forest resource inventory.</p> <p>Effective: Spring 2013</p>

Add	NRES 3213	<p>Environmental Measurements. (3). (Prerequisite: ST 2113 or equivalent or consent of instructor). Two hours lecture. Two hours laboratory. Principles of inventory, sampling, and analysis for measurements in environmental assessments. Field exercises provide practice in sampling methods, data collection, instrumentation, and analysis.</p> <p>METHOD OF INSTRUCTION: B DELIVERY: F C.I.P.: 03.0104 24-CHAR: Environmental Measurements</p> <p>Effective: Spring 2014</p>
Add	NRES 4423	<p>Environmental Assessment. (3). (Prerequisite: NRES senior-level standing or consent of instructor). Two hours lecture and two hours of laboratory. Principles of assessing environmental impacts resulting from planned management activities affecting natural resources. Preparation of Environmental Impact Statements (EIS).</p> <p>METHOD OF INSTRUCTION: B DELIVERY: F C.I.P.: 03.0206 24-CHAR: Environmental Assessment</p> <p>Effective: Spring 2014</p>

VET MEDICINE

Modify:	CVM 5111	<p>Professional Development III (Prerequisite Enrollment in the professional veterinary degree program.) (1). One hour lecture. Application of evidence based medicine and quantitative skills in veterinary medicine.</p>
To:	CVM 5111	<p>Professional Development III (Prerequisite Enrollment in the professional veterinary degree program.) (1). One hour lecture. The role of the veterinarian in global one health- the animal, human, and environmental health interaction.</p> <p>Effective Date: Fall 2012</p>
Delete	CVM 6083	Physiology II
Delete	CVM 8723	Advanced General Pathology

2. DEGREE PROPOSALS

AGRICULTURE AND LIFE SCIENCES

<p>Modify: Degree: Bachelor of Science Major: Agricultural Information Science Concentration: Teaching and Agricultural Leadership</p>	<ul style="list-style-type: none"> • Modify Chemistry requirement • Modify Social Science requirement • Change major core requirement to PSS 1313 or BIO 2113 • Add PSS 1113 to restricted plant science electives • Add ENS 2103 to restricted environmental science elective • Add ADS 3314 to restricted animal science elective in Teaching Concentration • Add CO 1003 • Modify prefix for EXL 1191 • Modify requirements for ag leadership elective, and change to 18 hour focus areas and 8 hours of ag elective in concentration requirements for Agricultural Leadership Concentration. <p>Effective Date: 2012</p>
<p>Modify: Degree: Bachelor of Science Major: Agricultural Science</p>	<ul style="list-style-type: none"> • Modify Chemistry requirement • Modify Social Science requirement • Modify Major Core requirement (PSS 1313) to PSS 1313 or BIO 2113. <p>Effective Date: Fall 2012</p>
<p>Modify: Degree: Bachelor of Science Major: Human Sciences Concentration: Human Development and Family Studies</p>	<ul style="list-style-type: none"> • Add HS 4831 Child Life Foundations to meet Child Life Council certification exam requirements • Modify total elective hours from 18 hour to 17-18 elective hours <p>Effective Date: Fall 2012</p>

ARTS & SCIENCE

<p>Degree: Doctoral Major: Earth and Atmospheric Sciences</p>	<ul style="list-style-type: none"> • Delete GG 8561, GG 8572, GG 8542, and GR 8553 from curriculum • Add GG 8913 (Research, Readings and Techniques in Geosciences) • Add GR 8913 (Philosophy and Ethics in Geosciences) <p>Effective Date: Spring 2012</p>
--	--

BUSINESS

<p>Degree: Minor Major: Business Information Sciences</p>	<p>Addition of an undergraduate minor in Business information Sciences major.</p> <p>Effective: Spring 2012</p>
--	---

EDUCATION

<p>Degree: Minor Major: Industrial Technology Minor</p>	<p>Addition of a minor for non industrial technology students.</p> <p>Effective: Spring 2012</p>
<p>Degree: Bachelor of Science Major: Industrial Technology Concentration(s): Industrial Automation, Industrial Distribution, Manufacturing and Maintenance Management</p>	<p>Inclusion of the requirement that students receive a C or better in all major core and concentration courses to be eligible for graduation</p> <p>Effective Fall 2012</p>
<p>Degree: Bachelor of Science Major: Technology Teacher Education Concentration: Business Technology</p>	<p>Modify the degree to reflect course title changes.</p> <p>Effective Date: Spring 2013</p>

ENGINEERING

<p>Degree: Bachelor of Science Major: Chemical Engineering Concentration(s): Chemical Engineering Practice; Chemical Engineering, R&D, Biomolecular Concentration</p>	<p>Chemical Engineering Practice:</p> <ul style="list-style-type: none"> • Add CHE 4633 to Required Major Core Courses • Reduce Curriculum Concentration Courses hours such that students choose either EM 2413 or ECE 3183. <p>Chemical Engineering Research/Development Concentration:</p> <ul style="list-style-type: none"> • Add CHE 4633 to Required Major Core Courses • Modify Curriculum Concentration Courses to delete the 3 hours of Technical Elective. <p>Biomolecular Engineering Concentration:</p> <ul style="list-style-type: none"> • Add CHE 4633 to Required Major Core Courses • Modify Curriculum Concentration hours by deleting requirement of Engineering Topics Elective. <p>Effective Date: Fall 2012</p>
---	---

3. AOCE PROPOSALS

ARTS AND SCIENCES

GG 8323	History of Life
---------	-----------------

BUSINESS

REF 4333/6333	Real Estate Law
---------------	-----------------

EDUCATION

TKB 3133	Administrative Management and Procedures
TKT 3003	Practicum in Technology Teacher Education
TKT 4143/6143	History and Philosophy of Career and Technical Education
TKT 4153/6153	Methods of Teaching Economics/ Business Pathway Courses
TKT 4183/6183	Methods of Teaching Career Pathway Experience
TKT 4213/6213	Methods of Teaching Business Subjects
TKT 4463/6463	Methods of Teaching Technology in the Middle School
TKT 4763/6763	Digital Tools for 21st Century Teaching and Learning
TKT 4873	Seminar in Managing the Secondary Classroom

ENGINEERING

CE 8463	Theoretical Soil Mechanics
CE 8553	Rivers, Estuaries, and Coasts
CE 8683	Finite Element Analysis in Structural Engineering
ECE 8493	Introduction to Neural Networks

4. TECHNICAL CHANGE

ARTS & SCIENCES

TC	Certificate	<p>Graduate Certificate in TESOL: Change the requirements for the TESOL Certificate program so that the Certificate is awarded at the time a student obtains a degree only, except in the case of international exchange students and unclassified graduate students.</p> <p>Effective: Summer 2012</p>
----	-------------	--

ARCHITECTURE, ART & DESIGN

TC	ARC 3904	<p>Architectural Structures I (Prerequisite: MA 1613 and either ARC 2546 or BCS 2126) (4). Three hours lecture. Three hours laboratory. Application of the principles of statics and the strength of materials on structural elements. (Same as BCS 3904)</p>
To:	ARC 3904	<p>Architectural Structures I (Prerequisite: MA 1613 and either ARC 1546 or BCS 2226) (4). Three hours lecture. Three hours laboratory. Application of the principles of statics and the strength of materials on structural elements. (Same as BCS 3904)</p> <p>Effective: Fall 2012</p>

BUSINESSS

TC	Graduate Certificate	Graduate Certificate in Information Systems Change from a Graduate Certificate in Information Systems (GCIS) to a Master's level minor in Information Systems at the College of Business.
To:	Master's Level Minor	
Effective Date: Fall 2012		

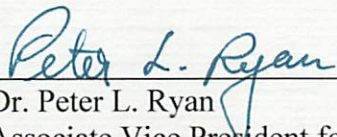
VETERINARY MEDICINE

TC	CVM 5033	Veterinary Physiology (Prerequisite: Enrollment in the professional veterinary degree program) (3). 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.
To:	CVM 5033	Immunology (Prerequisites: Enrollment in the professional veterinary degree program). (3). Three hours lecture. Presentation of the principles regarding immune responses in health and disease. Introduction to Veterinary Immunology.
Effective: Fall 2012		
TC	CVM 6033	Physiology I (Prerequisite: Enrollment in the professional veterinary degree program and enrollment in a Ph.D. program) Three hours lecture. Completion of project assigned by course leader required. Presentation of fundamental concepts, principles and issues in veterinary physiology specifically related to cellular, membrane, muscle, cardiovascular, respiratory, and renal physiology.
To:	CVM 6033	Immunology (Prerequisite: Enrollment in the professional veterinary degree program and enrollment in a Ph.D. program). Three hours lecture. Completion of project assigned by course leader required. Presentation of the principles regarding immune responses in health and medicine.
Effective Date: Fall 2012		

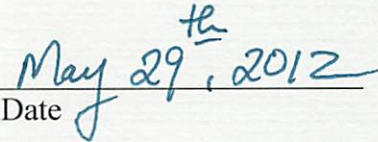
UCCC Change Notice 7
May 24, 2012

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

Proposals**



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



Date