

UCCC Change Notice 7
May 13, 2013

A MEMORANDUM

May 13, 2013

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 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 May 27th by contacting Dr. Angi Bourgeois (5-1922) 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

Add	DSS 0113	Approved	<p>DSS 0113 Money Math. (3). Expand knowledge of money management and develop financial planning skills. Focus on skills of budgeting, saving, spending money, money management and financial planning vocabulary. Method of Instruction: C Method of Delivery: F CIP: 32.0104 24-Character: Money Math Effective Date: Fall 2013</p>
Add	DSS 0213	Approved	<p>DSS 0213 Current Events. (3). Exposure to current events through various forms of news media. Learn about the American election, voting processes, candidate's positions, speeches, and Election Day procedure. Method of Instruction: C Method of Delivery: F CIP: 32.0108 24-Character: Current Events Effective Date: Fall 2013</p>
Add	DSS 0313	Approved	<p>DSS 0313 Community Access. (3). Understand MSU and the surrounding community using public transportation, walking, riding the campus shuttle, reading maps, time tables, and time management skills for destinations. Method of Instruction: C Method of Delivery: F CIP: 33.0103 24-Character: Community Access Effective Date: Fall 2013</p>
Add	DSS 0413	Approved	<p>DSS 0413 Basic Writing/Literature. (3). Improve written, organizational and creative skills. Development of short stories, building knowledge of main ideas, parts of a story, theme, settings, characters and plots. Method of Instruction: C Method of Delivery: F CIP: 36.0118 24-Character: Basic Writing/Literature Effective Date: Fall 2013</p>

Add	DSS 0513	Approved	<p>DSS 0513 Art. (3). Introduce students to the basics of art through various processes. Strengthen vocal and auditory skills through creative reading, recording and listening assignments. Method of Instruction: C Method of Delivery: F CIP: 36.0110 24-Character: Art Effective Date: Fall 2013</p>
Add	DSS 0613	Approved	<p>DSS 0613 Independent Living Skills. (3). Gain skills for daily activities that allow students to maintain a life that is as independent as possible for them. Cooking, cleaning, hygiene, organization, shopping, etc. Method of Instruction: C Method of Delivery: F CIP: 35.0100 24-Character: Independent Living Effective Date: Fall 2013</p>
Add	DSS 0713	Approved	<p>DSS 0713 Basic Employment Skills. (3). Equips students with necessary skills to obtain and maintain employment and also solve and troubleshoot common workplace situations they may encounter in their professional lives. Method of Instruction: C Method of Delivery: F CIP: 32.0105 24-Character: Basic Employment Skills Effective Date: Fall 2013</p>
Add	DSS 0813	Approved	<p>DSS 0813 Employment Practicum/On-Campus. (3). Students work on campus weekly. Allows students to apply the employment skills learned to maintain employment, build their resume, and aid interviews for permanent employment. Method of Instruction: E Method of Delivery: F CIP: 35.0103 24-Character: Employment Practicum/On Effective Date: Fall 2013</p>

Add	DSS 0913	Approved	DSS 0913 Employment Practicum/Off-Campus. (3). Students will work off campus weekly. Students will continue to use skills learned to maintain employment, update their resume and build skills needed for permanent employment. Method of Instruction: E Method of Delivery: F CIP: 35.0103 24-Character: Employment Practicum/Off Effective Date: Fall 2013
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AGRICULTURE AND LIFE SCIENCES

Add	LA 4113/6113	Tabled	LA 4113/6113 Design Theory and Criticism
Add	LA 4124/6124	Tabled	LA 4124/6124 Landscape Architecture Construction V: Construction Documents
Add	LA 4514/6514	Tabled	LA 4514/6514 Ecological Planting Design
Modify	LA 8512	Tabled	LA 8512 Landscape Architecture Graduate Studio 1
Modify	LA 8522	Tabled	LA 8522 Landscape Architecture Graduate Studio 2
Modify	LA 8532	Tabled	LA 8532 Landscape Architecture Graduate Studio 3
Add	LA 8545	Tabled	LA 8545 Landscape Architecture Graduate Studio IV: Case Study
Modify	LA 8741	Tabled	LA 8741 Seminar in Landscape Architecture Thesis
Add	LA 8751	Tabled	LA 8751 Seminar in Contemporary Design Issues

ARTS AND SCIENCES

Add	CH 8213	Approved	CH 8213 Organometallic Chemistry. (3). Three hours lecture. The preparation, bonding, structure, spectroscopy and reactions of main group or transition metal organometallic compounds and catalysis involving organometallic intermediates. Method of Instruction: C Method of Delivery: F CIP: 40.0503 24 Char: Organometallic Chem. Effective Date: Fall 2013
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Modify	CH 4404	Approved	<p>FROM: CH 4404 Biophysical Chemistry. (4). (Prerequisite: PH 1123, CH 4523, MA 1723). Three hours lecture, one hour recitation. Principles of thermodynamics, solutions, electrochemistry, kinetics, transport processes, macromolecular solutions and electromagnetic properties as applied to biological systems.</p> <p>TO: CH 4403 Biophysical Chemistry. (3). (Prerequisites: PH 1123, CH 4523, MA 1723). Three hours lecture. Principles of thermodynamics, solutions, electrochemistry, kinetics, transport processes, macromolecular solutions and electromagnetic properties as applied to biological systems.</p> <p>Method of Instruction: C Method of Delivery: F CIP: 40.0506 24 Char: Biophysical Chemistry Effective Date: Fall 2013</p>
+ Distance	GR 8143	Approved	<p>GR 8143 Approval to Offer Online Campus 5 For GR 8143</p> <p>Method of Instruction: C Method of Delivery: O Effective Date: Spring 2014</p>
+Distance	PH 1021	Tabled	Physical Science Laboratory 2
Add	PH 8323	Approved	<p>PH 8323 Electromagnetic Theory II. (3). Maxwell's theory of electromagnetism: Electromagnetic waves, time-dependent multipole expansions, radiation, waveguides, scattering diffraction, and specialty relativity. (Same as ECE 8323). Method of Instruction: C Method of Delivery: F CIP: 40.0810 24 Char: Electromag Theory II Effective: Spring 2014</p>
Add	PHI 3043	Passed Contingent	PHI 3043 Philosophy of History
Add	PHI 3163	Passed Contingent	PHI 3163 Moral Philosophy
Add	PHI 3173	Passed Contingent	PHI 3173 Social and Political Philosophy
Delete	PHI 4313/6133	Passed Contingent	PHI 4313/6133 Feminist Interpretation of Western Social and Political Philosophy

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Modify	PHI 4213/6213	Passed Contingent	PHI 4213/6213 Theories of Inquiry
Delete	PHI 6213	Passed Contingent	PHI 6213 Theories of Inquiry
Technical Change	PS 1113	Approved	<p>FROM: PS 1113 American Government. (3). The evolution of American governmental institutions and the organization and operation of the U.S. government today. Honors section available through invitation.</p> <p>TO: PS 1113 American Government. (3). Three hours lecture. The evolution of American governmental institutions and the organization and operation of the U.S. government today. Effective Date: Fall 2013</p>
Modify	PSY 4733/6733	Passed Contingent	PSY 4733/6733 Memory
Add	ST 8433	Approved	<p>ST 8433 Multivariate Statistical Analysis. (3). (Prerequisites: ST 8413 and ST 8613 or consent of instructor). Three hours lecture. Theory of multivariate statistical methodology, including multivariate normal and Wishart distributions, Hotelling's T², classification, multivariate analysis of variance and covariance, canonical correlation, principal components analysis. Method of Instruction: C Method of Delivery: F CIP: 27.0502 24 Char: Multiv Stat Analy Effective Date: Spring 2014</p>
Add	ST 8553	Approved	<p>ST 8553 Advanced Probability Theory. (3). (Prerequisites: ST 6543 and MA 8633 or consent of instructor). Three hours lecture. A measure-theoretic presentation of the theory of probability including independence and conditioning, convergence theorems, characteristics functions, and limit theorems. Method of Instruction: C Method of Delivery: F CIP: 27.0502 24 Char: Adv. Probability Theory Effective Date: Fall 2014</p>

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Add	ST 8563	Approved	<p>ST 8563 Advanced Stochastic Processes. (3). (Prerequisite: ST 8553 or consent of instructor). Three hours lecture. Continuation of ST 8553, including Markov processes, second-order processes, stationary processes, Ergodic theory, martingales, stopping lines, and Brownian motion. Method of Instruction: C Method of Delivery: F CIP: 27.0502 24 Char: Adv Stochastic Proc Effective Date: Spring 2015</p>
Add	ST 8733	Approved	<p>ST 8733 Advanced Statistical Inference I. (3). Prerequisites: MA/ST 4573/6573 or consent of instructor). Three hours lecture. Theoretical statistics, including sufficiency and completeness, UMVU estimators, likelihood estimation, Bayesian estimation, UMP tests, likelihood-based tests, sequential tests, optimality, and asymptotic properties. Method of Instruction: C Method of Delivery: F CIP: 24.0502 24 Char: Adv Stat Inf I Effective Date: Fall 2013</p>
Add	ST 8743	Approved	<p>ST 8743 Advanced Statistical Inference II. (3). (Prerequisites: ST 8733 or consent of instructor). Three hours lecture. Theoretical statistics, including order statistics, power functions, efficiency, asymptotic theory, nonparametric rank-based hypothesis testing, permutation testing, M estimation, jackknife procedure, and bootstrap procedure. Method of Instruction: C Method of Delivery: F CIP: 27.0502 24 Char: Adv Stat Inf II Effective Date: Spring 2014</p>

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BUSINESS

Add	EC 8063	Approved	EC 8063 Foundations of Microeconomic Theory. (3). (Prerequisite: Graduate standing.) Three hours lecture. Exposition of the theoretical foundations to microeconomic theory: market process, price mechanism, exchange and production, cost and supply, non-market decision making, and the international economy. Method of Instruction: C Method of Delivery: F CIP: 45.0601 24 Char: FDN of Micro Theory Effective Date: Fall 2013
Add	EC 8123	Approved	EC 8123 Mathematics for Economists. (3). (Prerequisite: Graduate standing.) Three hours lecture. The course covers topics in linear algebra, logic and set theory, topology, real analysis, and optimization theory. Method of Instruction: C Method of Delivery: F CIP: 45.0603 24 Char: Math for Economists Effective Date: Fall 2013

EDUCATION

Modify	EDE 4113	Passed Contingent	EDE 4113 Teaching Elementary and Middle Level Science Education
Modify	EDE 4123	Passed Contingent	EDE 4123 Teaching Elementary and Middle Level Mathematics
Modify	EDE 4143	Passed Contingent	EDE 4143 Teaching Elementary and Middle Level Social Studies
+Distance	EDS 6683	Approved	EDS 6683 Approval to offer online Campus 5 for EDS 6683. (3). Method of Instruction: C Method of Delivery: O Effective Date: Fall 2013
Delete	EP 6113	Not Approved	EP 6113 Fitness Programs and Testing Procedures
Add	EP 8203	Not Approved	EP 8203 Advanced Exercise Physiology
Delete	EP 8273	Not Approved	EP 8273 Laboratory Instrumentation
Delete	EP 8433	Not Approved	EP 8433 Psychological Aspects of Exercise

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Add	EP 8503	Not Approved	EP 8503 Occupational Physiology
Delete	PE 6163	Not Approved	PE 6163 Principles and Methods of Secondary School and Physical Education
Delete	PE 8193	Not Approved	PE 8193 Professional Preparation in Physical Education
Delete	PE 8213	Not Approved	PE 8213 Problems in the Administration of Athletics
Delete	PE 8623	Not Approved	PE 8623 Seminar in School Health
Add	KI 8903	Not Approved	KI 8903 Doctoral (AP) Seminar I
Add	KI 8913	Not Approved	KI 8913 Doctoral (AP) Seminar II
Add	KI 8923	Not Approved	KI 8923 Doctoral (AP) Seminar III
Add	KI 8933	Not Approved	KI 8933 Doctoral (SS) Seminar I
Add	KI 8943	Not Approved	KI 8943 Doctoral (SS) Seminar II
Add	KI 8953	Not Approved	KI 8953 Doctoral (SS) Seminar III
Modify	RDG 4133	Approved	<p>FROM: RDG 4133. Integrating Language Arts Instruction in the Content Areas. (3). (Co-requisites: EDE 4113, EDE 4123, and EDE 4143; Admission to Teacher Education). Two hours lecture. Two hours laboratory. Field based. Selection, organization, and teaching, and assessment for integrating language arts across content areas – K-8; general effectiveness of reflection about instructional practices.</p> <p>TO: RDG 4133. Integrating Language Arts Instruction in the Content Areas. (3). (Pre-requisites: RDG 3133, RDG 3123, EDE 3123, EDF 3423, EDX 3213, RDG 3413, RDG 3423, EDE 3223, EDE 3523, and EDF 3333; Co-requisite: EDE 4113, EDE 4123, and EDE 4143; Admission to Teacher Education). Two hours lecture. Two hours laboratory. Field based. Effectiveness of instructional practices and selection, organization, teaching and assessment for integrating language arts across content areas in K-8. Effective Date: Fall 2013</p>

ENGINEERING

Add + Distance CHE 4143/6143	Approved	<p>CHE4143/6143 Advanced Polymeric and Multicomponent. (3). (Prerequisite: Junior standing or great; ChE 3413, ME 3403, EM 4133 or equivalent materials course.) Three hours lecture. Nomenclature, synthesis, characterization, processing, and properties of state-of-the-art polymeric and multicomponent materials.</p> <p>Method of Instruction: C Method of Delivery: Campus 1 – F Campus 5 - O</p> <p>CIP: 14.0701 24 Char: Adv Poly/Composite Matls Effective: Fall 2013</p>
Modify ECE 3724	Approved	<p>FROM: ECE 3724 Microprocessors. (4). (Prerequisites: Grade of C or better in both CSE 1384 and 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: ECE 3724 Microprocessors. (4). (Prerequisites: Grade of C or better in both CSE 2383 and ECE 3714). Three hour lecture. Three hour laboratory. Architecture of microprocessor-based systems. Study of microprocessor operation, assembly language, arithmetic operations, and interfacing.</p> <p>Effective Date: Fall 2013</p>

Add + Distance	ECE 4293/6293	Approved	<p>ECE 4293/6293 Non-electronics. (3). (Prerequisite: Grade of C or better in either of ECE 3213, PH 2233 or PH 3613, or equivalent). Three hours lecture. Theoretical foundations of nano-electronics, overview of nano-fabrication, general principles of nan-electronic devices, modern applications including integrated circuits, photonics, renewable energy and bio-medical. Method of Instruction: C Method of Delivery: F CIP: 14.1001 24 Char: Nano-electronics Effective Date: Fall 2013</p>
Delete	ECE 4753/6753	Approved	<p>ECE 4753/6753 Introduction to Robotics</p>
Add	ECE 4783/6783	Approved	<p>ECE 4783/6783 Vision Based Guidance for MAVs. (3). (Prerequisite: grade of C or better in both MA 33113 and MA 3253). Two hours lecture and one hour laboratory. This course covers the use of modern computer vision techniques applied to the control of micro air vehicles (MAVs). Method of Instruction: B Method of Delivery: F CIP: 14.1001 24 Char: Visual Guidance for MAV Effective Date: Fall 2013</p>
Add	ECE 8323	Approved	<p>ECE 8323 Electromagnetic Theory II. (3). Prerequisite: ECE 8313). Three hours lecture. Maxwell's theory of electromagnetism: Electromagnetic waves, radiation, antennas, waveguides, scattering, diffraction, and special relativity. (Same as PH 8323). Method of Instruction: C Method of Delivery: F CIP: 40.0810 24 Char: Electromag Theory II Effective: Spring 2014</p>

Technical Change	ECE 8743	Approved	<p>FROM: ECE 8743 Advanced Robotics. (3). (Prerequisite: grade of C or better in ECE 4753/6753). Three hours lecture. Rotations and their parameterization, Lie Group theory, and shape determination of continuum robots.</p> <p>TO: ECE 8743 Advanced Robotics. (3). Three hours lecture. Rotations and their parameterization, Lie group theory, and shape determination of continuum robots.</p> <p>Effective Date: Fall 2013</p>
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FOREST RESOURCES

Add	WFA 4613/6613	Approved	<p>WFA 4613/6613 Landscape Ecology. (3). Two hours lecture, two hours lab. Prerequisite (WFA 3133 and ST 3123 (or equivalents or consent of instructor). Foundational concepts and research methods of landscape ecology and application to ecology and management of natural resources.</p> <p>Method of Instruction: C & L Method of Delivery: F CIP: 26.0709 24 Char. Landscape Ecology Effective Date: Fall 2013</p>
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2. Degree proposals by college/school:

a. AGRICULTURE AND LIFE SCIENCES

Action Requested	Degree, Major, Concentrations	UCCC Action	Changes Approved
Modify	Degree: Master Major: Agribusiness Management	Approved	Sent to Graduate Council
Modify	Degree: Master Major: Landscape Architecture	Tabled	

a. ARTS AND SCIENCES

Action Requested	Degree, Major, Concentrations	UCCC Action	Changes Approved
Add	Degree: Ph.D. Major: Physics	Tabled	
Modify	Degree: Bachelor of Science Major: Psychology	Approved	See proposal for complete list of changes. Effective Date: Fall 2013

b. BUSINESS

Action Requested	Degree, Major, Concentrations	UCCC Action	Changes Approved
Modify	Degree: Bachelor of Business Administration Major: Business Economics	Approved	Requirement that only grades of C or better in Economics courses will be counted toward the major or minor in Economics. Effective Date: Fall 2013

c. EDUCATION

Action Requested	Degree, Major, Concentrations	UCCC Action	Changes Approved
Add	Degree: Ph.D. Major: Kinesiology	Not Approved	
Add + Distance	Degree: Veterans' Certificate Program	Approved	Study that consists of 12 semester hours through Distanced Education. Effective Date: Summer 2013

e. ENGINEERING

Action Requested	Degree, Major,	UCCC Action	Changes Approved
Modify	Degree: Bachelor of Science Major: Electrical Engineering	Approved	Replace free elective requirement with CSE 2383 Data Structures & Analysis of Algorithms. Effective Date: Fall 2013

3. Resubmitted Proposals

ARTS AND SCIENCES

+Distance	PS 1113	Approved	Approval to offer online Campus 5 for PS 1113 Method of Instruction: C Method of Delivery: O Effective Date: Fall 2013
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Add	BIO 4233/6233	Approved	<p>BIO 4233/6233 Living with Global Change. (3). Three hours lecture. Holistic examination of the interrelationship between human activities and ecological systems, with an emphasis on the concept of “sustainable” natural resource management. Method of Instruction: C Method of Delivery: F CIP: 26.1307 24 Char: Living w Global Change Effective Date: Fall 2013</p>
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EDUCATION

Add	EP 8203	Approved	<p>EP 8203 Advanced Exercise Physiology. (3). Two hours lecture. Two hours laboratory. Overview of major organ systems and cellular metabolism during exercise; physiological aspects of fatigue and factors influencing physical working capacity and performance; laboratory investigation/demonstration. Method of Instruction: B Method of Delivery: F CIP: 13.1314 24-Char. Adv. Exercise Physiology Effective: Fall 2013</p>
Delete	EP 8273	Approved	<p>EP 8273 Laboratory Instrumentation</p>
Delete	EP 8433	Approved	<p>EP 8433 Psychological Aspects of Exercise</p>
Add	EP 8503	Approved	<p>EP 8503 Occupational Physiology. (3). Three hours lecture. Evaluation of physiological, biomechanical, and ergonomic demands and responses to occupational demands, including task design and evaluation, employee selection and placement, and work-rest scheduling. Method of Instruction: C Method of Delivery: F CIP: 13.1314 24-Char. Occupational Phys Effective: Fall 2013</p>

VETERINARY MEDICINE

Add	CVM 8080	Tabled	<p>CVM 8080 Clinical Sciences Journal Review</p>
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4. Resubmitted Degrees


Action Requested	Degree, Major, Concentrations	UCCC Action	Changes Approved
Modify	Degree: Master of Science Major: Kinesiology Concentration: Exercise Physiology, Sport Pedagogy, Sport Administration	Approved	See proposal for complete list of changes. Sent to <u>Grad. Council</u> .
Modify	Degree: Bachelor of Science Major: Chemistry Concentration: ACS	Approved	Eliminates the requirement for technical electives and the requirement for a chemistry elective. Effective Date: Fall 2013

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

Proposals**



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


Date