



# MISSISSIPPI STATE UNIVERSITY™

## *UNIVERSITY COMMITTEE ON COURSES AND CURRICULA*

### A MEMORANDUM

DATE: November 6, 2015

TO: Academic Deans Council

FROM: Dr. Kirk Swortzel  
UCCC Chair

RE: Change Notice 2

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 **November 19, 2015** by contacting Dr. Kirk Swortzel (5-7837) or the office of the Vice President for Academic Affairs (5-3742). If no questions have been raised, the proposals will be considered approved automatically.

1. Course Proposals

**AGRICULTURE AND LIFE SCIENCES**

<p>Modification ADS 4111 to ADS 4111/6111</p>	<p><b>Approved</b></p>	<p><b>FROM: ADS 4111 Swine Production and Management Laboratory. (1).</b> (Prerequisites: ADS 1113 and ADS 1121, prior credit or concurrent enrollment in ADS 4113, or consent of instructor). Two hours laboratory. Operational and management practices for further understanding of skills for modern swine production industry. <b>TO: ADS 4111/6111 Swine Production and Management Laboratory. (1).</b> (Prerequisites: ADS 1113 and ADS 1121, prior credit or concurrent enrollment in ADS 4113, or consent of instructor). Two hours laboratory. Operational and management practices for further understanding of skills for modern swine production industry. Method of Instruction: L Method of Delivery: F Campus: 1 CIP: 010302 30 Char: Swine Production &amp; Mgmt Lab Effective: Fall 2015</p>
<p>Modification ADS 4113 to ADS 4113/6113</p>	<p><b>Approved</b></p>	<p><b>FROM: ADS 4113 Swine Science. (3).</b> Fall semester (Prerequisites: ADS 1114). Three hours lecture. Feeding, management, breeding, production, and marketing of swine. <b>TO: ADS 4113/6113 Swine Science. (3).</b> Fall semester (Prerequisites: ADS 1113 and ADS 1121). Three hours lecture. Feeding, management, breeding, production, and marketing of swine. Method of Instruction: C Method of Delivery: F Campus: 1 CIP: 010901 30 Char: Swine Science Effective: Fall 2015</p>

<p>Modification    AIS 4103/6103</p>	<p><b>Approved</b></p>	<p><b>FROM: AIS 4103/6103 Objectives and Procedures of Programs in Agricultural Information Science and Education. (3).</b> (Prerequisite: Junior standing). Three hours lecture. Identification and development of objectives; techniques used in Agricultural and Extension educational procedures; relationships with U.S.D.A., experiment stations, and other agricultural agencies.</p> <p><b>TO: AIS 4103/6103 Principles and Practices of Extension Education. (3).</b> (Prerequisite: Junior standing). Three hours lecture. Comprehensive overview of the Cooperative Extension System. Three classroom/contact hours per week. Objectives and procedures to develop, implement and evaluate Extension educational programs; comprehension and application of non-formal and experiential teaching methods for youth and adult audiences.</p> <p>Method of Instruction: C  Method of Delivery: F &amp; I  Campus: 1 &amp; 5  CIP: 010801  30 Char: Principles of Extension Ed  Effective: Fall 2015</p>
<p>Addition        EPP 4254/6254</p>	<p><b>Approved</b></p>	<p><b>EPP 4254/6254 Introduction to Mycology. (4).</b> (Prerequisite: Biology I or consent of instructor). Two hours lecture. Four hours laboratory. Subjects include fungal structures, function and physiology, reproduction, genetics, emphasis in taxonomy and influence of reproductive stages of Ascomycetes, Basidiomycetes on plant and forest ecosystems.</p> <p>Method of Instruction: B  Method of Delivery: F  Campus: 1  CIP: 260506  30 Char: Introduction to Mycology  Effective: Fall 2015</p>

Addition	EPP 4264/6264	Approved	<p><b>EPP 4264/6264 Advanced Mycology. (4).</b> (Prerequisite: Biology I or consent of instructor). Two hours lecture. Four hours laboratory. Subjects include fungal structures, function and physiology, reproduction, genetics, and taxonomy of Oomycota, Chytridomycota, and Zygomycota (Glomeromycota) and other phyla on plant and forest ecosystems.  Method of Instruction: B  Method of Delivery: F  Campus: 1  CIP: 260506  30 Char: Advanced Mycology  Effective: Fall 2015</p>
Addition	FNH 8293	Approved	<p><b>FNH 8293 Molecular Nutrition. (3).</b> (Prerequisite: Grade of C or better in FNH 4243/6243 and FNH 4253/6253, or consent of instructor). Three hours lecture. An in-depth study of the mechanisms of nutrients and their impact on human nutrition and health.  Method of Instruction: C  Method of Delivery: F  Campus: 1  CIP: 301901  30 Char: Molecular Nutrition  Effective: Fall 2015</p>

## ARTS AND SCIENCES

Addition	AN 2103	Withdrawn from October 2015 Agenda	AN 2103 Food and Culture.
Technical Change	PH 1123	Approved	<p><b>FROM: PH 1123 General Physics II. (3).</b> (Prerequisite: PH 1113). Two hours lecture, one hour drill, two hours laboratory. Noncalculus-based study of electricity and magnetism and selected topics in modern physics.</p> <p><b>TO: PH 1123 General Physics II. (3).</b> (Prerequisite PH 1113 or PH 2213). Two hours lecture, one hour drill, two hours laboratory. Noncalculus-based study of thermal physics, waves, sound, and light. Effect: Fall 2015</p>
Technical Change	PH 1133	Approved	<p><b>FROM: PH 1133 General Physics III. (3).</b> (Prerequisite: PH 1113). Two hours lecture, one hour drill, two hours laboratory. Noncalculus-based study of electricity and magnetism and selected topics in modern physics.</p> <p><b>TO: PH 1133 General Physics III. (3).</b> (Prerequisite: PH 1113 or PH 2213). Two hours lecture, one hour drill, two hours laboratory. Noncalculus-based study of electricity and magnetism and selected topics in modern physics. Effective: Fall 2015</p>

## EDUCATION

Addition	MU 2012	Approved	<p><b>MU 2012 World Music. (2).</b> Two hour lecture. A survey of the non-Western musics and music cultures of the world. The course will serve as an introduction to the discipline of ethnomusicology, the study of music in the context of culture.</p> <p>Method of Instruction: C  Method of Delivery: F  Campus: 1  CIP: 500902  30 Char: World Music  Effective: Fall 2015</p>
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<p>Addition MU 3013</p>	<p>Approved</p>	<p><b>MU 3013 Survey of Western Music History I.</b> (3). Three hours lecture. A survey of western music history from Antiquity through the Baroque Period (up to ca. 1750 A.D./C.E.). This course serves as the first in a 2-course music history sequence required for music majors.  Method of Instruction: C  Method of Delivery: F  Campus: 1  CIP: 500902  30 Char: Music History I  Effective: Fall 2015</p>
<p>Addition MU 3023  + Gen. Ed.</p>	<p>Approved</p>	<p><b>MU 3023 Survey of Western Music History II.</b> (3). Three hours lecture. A survey of western music history, Classical period (from ca. 1750 A.D./C.E.). This is the second in a 2-course music history sequence required for music majors.  Method of Instruction: C  Method of Delivery: F  Campus: 1  CIP: 500902  30 Char: Music History II  General Education Category: Fine Arts  Effective: Fall 2015</p>
<p>Modification MU 4322</p>	<p>Approved</p>	<p><b>FROM: MU 4322 Band Arranging.</b> (2). One hour lecture. Two hour laboratory. Basic arranging techniques for band.  <b>TO: MU 4322 Band Arranging.</b> (2). Two hours lecture. (Prerequisite: Passing scores on both written and aural portions of the Music Theory Upper Division exam.) Study of idiomatic writing for instrumental ensembles, including marching, concert, and jazz bands.  Method of Instruction: C  Method of Delivery: F  Campus: 1  CIP: 500904  30 Char: Band Arranging  Effective: Fall 2015</p>

Addition	MUE 1141	<b>Approved</b>  <b>MUE 1141 Voice Methods.</b> (1). One hour lecture. Class study of voice production with emphasis on bel canto vocal technique, classical vocal literature, diction, and performance considerations. Class consists of lecture, discussion, listening, and application of concepts studied in both practice and performance. Method of Instruction: C Method of Delivery: F Campus: 1 CIP: 500912 30 Char: Voice Methods Effective: Fall 2015
Addition	MUE 1151	<b>Approved</b>  <b>MUE 1151 Technology for Music Education.</b> (1). One credit hour. An overview of current technologies to enhance music instruction and performance, student assessment, professional productivity, and communication for the music educator. Method of Instruction: C Method of Delivery: F Campus: 1 CIP: 500999 30 Char: Technology for Music Education Effective: Fall 2015
Addition	MUE 2153	<b>Approved</b>  <b>MUE 2153 Foundations of Music Education.</b> (3). Three hours lecture. This course is designed to introduce historical and philosophical foundations of music and music pedagogy. Diverse trends are compared with emphasis on materials and personal development in music for the emerging music educator. Method of Instruction: C Method of Delivery: F Campus: 1 CIP: 131312 30 Char: Foundations of Music Education Effective: Fall 2015

<p>Addition</p> <p>MUE 2163</p>	<p>Approved</p>	<p><b>MUE 2163 Elementary Music Methods.</b>  (3). Three hours lecture. Includes a field based component. Prepares future music educators by exploring various elementary music methods and materials. Students will practice instructional techniques for teaching music through singing, playing instruments, movement, and guided listening experiences.  Method of Instruction: C  Method of Delivery: F  Campus: 1  CIP: 131312  30 Char: Elementary Music Methods  Effective: Fall 2015</p>
<p>Modification</p> <p>MUE 3212</p>	<p>Approved</p>	<p><b>FROM: MUE 3212 Brass Techniques.</b>  (2). Two hours lecture Study of brass winds with emphasis on embouchure, techniques, and teaching problems.  <b>TO: MUE 3212 Brass Methods.</b> (2). Two hours lecture. Includes a field based component. The study of brass instruments with emphasis on embouchure, techniques, and teaching problems. Limited to music majors.  Method of Instruction: C  Method of Delivery: F  Campus: 1  CIP: 131312  30 Char: Brass Methods  Effective: Fall 2015</p>



<p>Modification MUE 3222</p>	<p>Approved</p>	<p><b>FROM: MUE 3222 Woodwind Techniques.</b> (2). Two hours lecture. Study of woodwinds with emphasis on embouchure, techniques, and teaching problems.  <b>TO: MUE 3222 Woodwind Methods.</b> (2). Two hours lecture. Includes a field based component. The study of woodwind instruments with emphasis on pedagogical and performance skills. The goal of this course is to provide the basic competencies necessary for teaching in the public schools.  Method of Instruction: C  Method of Delivery: F  Campus: 1  CIP: 131312  30 Char: Woodwind Methods  Effective: Fall 2015</p>
<p>Modification MUE 3231</p>	<p>Approved</p>	<p><b>FROM: MUE 3231 String Class.</b> (1). Two hours laboratory. Study of strings with emphasis on bowing, techniques  <b>TO: MUE 3231 String Methods.</b> (1). One hour lecture. Includes a field-based component. Study of approaches to teaching stringed instruments. Topics included are learning to play violin, viola, and cello at the introductory level, including logistics of the instruments and common teaching issues.  Method of Instruction: C  Method of Delivery: F  Campus: 1  CIP: 131312  30 Char: String Methods  Effective: Fall 2015</p>

<p>Addition</p> <p>MUE 3233</p>	<p>Approved</p>	<p><b>MUE 3233 Guitar Pedagogy.</b> (3). Three hours lecture. Includes a field based component. Study of approaches necessary for effective guitar teaching. Topics include history of guitar education, comparison of methods from the nineteenth century to present day, and techniques for effective studio management.  Method of Instruction: C  Method of Delivery: F  Campus: 1  CIP: 500192  30 Char: Guitar Pedagogy  Effective: Fall 2015</p>
<p>Modification</p> <p>MUE 3242</p>	<p>Approved</p>	<p><b>FROM: MUE 3242 Percussion Class.</b> (3). Two hours lecture. Detailed study of percussion instruments with emphasis on teaching problems, training materials, and performance literature.  <b>TO: MUE 3242 Percussion Methods.</b> (3). Two hours lecture. Includes a field-based component. Provides music education students with resources to teach percussion instruments in a classroom setting. Emphasis is placed on pedagogy, equipment, teaching problems, training materials, and repertoire for a variety of percussion instruments.  Method of Instruction: C  Method of Delivery: F  Campus: 1  CIP: 131312  30 Char: Percussion Methods  Effective: Fall 2015</p>

<p>Modification MUE 3262</p>	<p><b>Approved</b></p>	<p><b>FROM: MUE 3262 Instrumental Class.</b>  (3). One hour lecture. Two hours laboratory. Instrumental experiences for vocal and piano majors.  <b>TO: MUE 3262 Instrumental Methods.</b>  (3). Two hours lecture. This includes a field based component. Overview of wind and percussion instruments for the non-instrumental music education major. Presents basic teaching techniques and strategies needed in the public schools.  Method of Instruction: C  Method of Delivery: F  Campus: 1  CIP: 131312  30 Char: Instrumental Methods  Effective: Fall 2015</p>
<p>Addition MUE 4152</p>	<p><b>Approved</b></p>	<p><b>MUE 4152 Secondary Music Methods.</b>  (2). Two hours lecture. Includes a field-based component. (Prerequisite: Music majors admitted to Teacher Education and completion of all Upper Division exams). An investigation of the art and science of teaching and assessing musical performance in the secondary music classroom.  Method of Instruction: C  Method of Delivery: F  Campus: 1  CIP: 500912  30 Char: Secondary Music Methods  Effective: Fall 2015</p>

**ENGINEERING**

<p>Addition      CSE 4363/6363</p>	<p><b>Approved</b></p>	<p><b>CSE 4363/6363 Software Reverse Engineering. 3.</b> (Prerequisite: CSE 4733/6733). Three hours lecture. Software specification recovery and malicious software analysis. Tools and techniques for analyzing compiled programs and communications in the absence of documentation.          Method of Instruction: C          Method of Delivery: F &amp; O          Campus: 1 &amp; 5          CIP: 110701          30 Char: Software Reverse Engineering          Effective: Fall 2015</p>
<p>Technical Change      CSE 3324</p>	<p><b>Approved</b></p>	<p><b>FROM: CSE 3324 Distributed Client/Server Programming. 4.</b> (Prerequisite: Grade of C or better in CSE 2383). Three hours lecture. Three hours laboratory. Design of software systems for use in distributed environments. Client/Server models, multithreaded programming, server-side web programming, graphical user interfaces, group projects involving client/server systems.  <b>TO: CSE 3324 Distributed Client/Server Programming. 4.</b> (Prerequisite: All majors: Grade of C or better in CSE 2383. CS/SE majors: CSE 4503 with a grade of C or better). Three hours lecture. Three hours laboratory. Design of software systems for distributed environments. Multithreaded and server-side programming, client/server.          Effective Fall 2015</p>

**FOREST RESOURCES**

Deletion	FO 4451/6451	Approved	<b>FO 4451/6451 Remote Sensing Lab.</b> Effective: Fall 2015
Modification	FO 4452/6452	Approved	<b>FROM: FO 4452/6452 Remote Sensing Applications. (2).</b> (Corequisite: FO 4451/6451; Prerequisite: A basic image interpretation or remote sensing course or consent of instructor). Two hours lecture. An introduction to remote sensing with emphasis on analysis and applications of digital image data in inventory, monitoring, and management of renewable natural resources. <b>TO: FO 4453/6453 Remote Sensing Applications. (3).</b> (Prerequisite: A basic image interpretation or mote sensing course or consent of instructor). Two hours lecture. Three hours laboratory. An introduction to remote sensing with emphasis on analysis and application of digital image data in inventory, monitoring, and management of renewable natural resources. Method of Instruction: C Method of Delivery: F Campus: 1 CIP: 450702 30 Char: Remote Sensing Appl Effective: Fall 2015

2. Program Proposals by college/school:

**ARTS AND SCIENCES**

Modification	Degree: BA Major: Foreign Languages Concentrations: Classics; French; German and Spanish	Approved	Addition of Classic Concentration and modification of French, German, and Spanish Concentrations. See proposal for complete list of changes.  Effective: Spring 2016
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**EDUCATION**

Modification and Name Change	Degree: BS Major: Teacher Technology Education Concentration: Business Technology Industrial Education <b>to:</b> Degree: BS Major: Business Technology Education (Campus 1 and Campus 5)	<b>Approved</b>	Name change. See proposal for list of other changes.  Forwarded to Provost and President before submission to IHL	✓
Modification	Degree: BME Major: Music Education Concentrations: Instrumental, Guitar, Keyboard, Vocal	<b>Approved</b>	See proposal for list of changes.  Effective: Fall 2016	✓

**ENGINEERING**

Modification	Degree: BS Major: Aerospace Engineering	<b>Approved</b>	See proposal for list of changes.  Effective: Spring 2016	✓
Suspension	Certificate: Manufacturing	<b>Approved</b>	Effective: Spring 2016	/
Suspension	Certificate: Six Sigma	<b>Approved</b>	Effective: Spring 2016	/

**FOREST RESOURCES**

Modification	Degree: BS Major: Forestry Concentration: Environmental Conservation; Urban Forestry	<b>Withdrawn by Chair</b>		
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All of the proposals were approved with the exception of the following:  
Proposals\*\*

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

November 30, 2015  
Date