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### Curriculum Committee Report - April 8, 2004

Graduate Council

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GRADUATE CURRICULUM COMMITTEE  
THURSDAY, APRIL 8, 2004

4<sup>th</sup> Floor Conference Room, Andy Holt Tower

Attending: Paul Frymier (Chair), Sherry Bell for Naima Moustaid-Moussa, Stephen Blackwell, Mary McAlpin, Sam Morton for Laurie Morton, Brenda Rayman, Kay Reed, Lloyd Rinehart, Bobbi Suttles. Representing the colleges: Mary Albrecht for Agricultural Sciences and Natural Resources, Tom George and Diane Klein for Education, Health, and Human Sciences.

Frymier called the meeting to order at 3:30 p.m.

The committee reviewed proposals for curricular change from the following units:

- **College of Agricultural Sciences and Natural Resources.** Drop the subject area and graduate courses on the graduate level of Rural Sociology (Department of Agricultural Economics). Course changes in Agriculture and Natural Resources; Entomology and Plant Pathology; Forestry, Wildlife and Fisheries; and Plant Sciences.
- **College of Business Administration.** Changes in Management courses and MBA Concentration in Operations Management to reflect move of Operations and Management Science faculty to newly formed department Statistics, Operations and Management Science. Revise cross-listing for Logistics course.
- **College of Education, Health and Human Sciences.** Electronically-mediated format for Health/Public Health 650.

The committee recommended that the Graduate Council approve these changes.

The committee reviewed information on the Appalachian Collaborative Center for Learning Assessment and Instruction in Mathematics (ACCLAIM). An ACCLAIM course was established administratively to accommodate the needs of the multi-institution degree program sponsored by the Ed.D. degree program in Teacher Education in collaboration with NSF.

The committee also reviewed the 2004-2005 Calendar and Effective Dates of Graduate Curricular Proposals.

The meeting adjourned at 4:15 p.m.

## MEMORANDUM

TO: Graduate Council

FROM: Mary Lewnes Albrecht, Associate Dean

DATE: March 19, 2004

SUBJECT: Graduate Curricular Changes – College of Agricultural Sciences and Natural Resources

The attached curricular proposals have been approved by the faculty of the CASNR and are submitted to the Graduate Council for consideration. The following is a summary of these proposals:

**Department of Agricultural Economics:** Rural Sociology: drop three courses and drop the subject area on the graduate level.

**Agriculture and Natural Resources** (Interdepartmental unit): revise course title.

**Department of Entomology and Plant Pathology:** add two courses; revise two courses.

**Department of Forestry, Wildlife and Fisheries:** add two courses.

**Department of Plant Sciences:** drop one course; add one course.

## **COLLEGE OF AGRICULTURAL SCIENCES AND NATURAL RESOURCES**

### **DEPARTMENT OF AGRICULTURAL ECONOMICS**

#### **Rural Sociology (880)**

DROP

**580 Advanced Rural Sociology (3)**  
**593 Special Topics in Rural Sociology (1-3)**

**EFFECTIVE: SPRING 2005**

Rationale: All faculty members with expertise in Rural Sociology have retired. Funding is redirected to other needs.  
Course format and location: N/A  
Impact on other academic units: Only the Department of Sociology is impacted. They have been notified that these courses are being dropped.  
Financial impact: Salary funds were redirected to other positions in order to be able to offer competitive starting salaries. No additional funds are available to hire rural sociology faculty.

### **AGRICULTURE AND NATURAL RESOURCES (Interdepartmental Unit)**

#### **Agriculture and Natural Resources (088)**

REVISE TITLE

From

**512 Teaching Internship in Agriculture (1)**

To

**512 Teaching Internship in Agriculture and Natural Resources (1)**

**EFFECTIVE: SPRING 2005**

Rationale: Revised to reflect name of college and other interdepartmental ANR courses.  
Course format and location: No change; independent study under supervision of a faculty member.  
Impact on other units: None  
Financial impact: None.

### **DEPARTMENT OF ENTOMOLOGY AND PLANT PATHOLOGY**

#### **Entomology and Plant Pathology (341)**

ADD

**548 Taxonomy of Adult Insects (3)** Classification, phylogeny, and distribution of insects and related arthropods. Lectures on theory and practice of insect systematics and major features of insect evolution. Laboratory practice on methods of collection, preservation, and study of insects, with emphasis on order and family identification of adults. Substantial insect collection (above requirements for 448), one or more field trips, and a taxonomically oriented project required. Prereq: Consent of instructor. Students cannot receive credit for both 448 and 548.

**EFFECTIVE: SPRING 2005**

Rationale: This course is designed as a replacement for two 500-level Ecology and Evolutionary Biology courses that are no longer taught due to instructor retirement. Without a replacement course entomology students will have no instruction in insect taxonomy. This new course will include material offered in EPP 448 (undergraduate students only) and will require a substantially more complete insect collection.  
Course format and location: One lecture, two labs per week in Ellington Plant Sciences 101.  
Impact on other units: None.  
Financial impact: None.

**615 Physiology of Plant Disease (3)** Biochemical and physiological events involved in host-pathogen interactions. Mechanisms of disease resistance. Ph.D. students only. Prereq: Introductory plant physiology and plant pathology or consent of instructor. Students who have taken 515 cannot receive credit for 615.

**EFFECTIVE: SPRING 2005**

Rationale: This course is the same as EPP 515 but Ph.D. students will satisfy more rigorous class requirements, including preparation of an NSF or USDA post-doctoral fellowship proposal.  
Course format and location: Three lectures per week, Plant Biotechnology Building.  
Impact on other units: None.  
Financial impact: None.

**REVISE CREDIT HOURS AND DESCRIPTION**

From

**541 Seminar (1)** Review of literature and current research in entomology and plant pathology. May be repeated. Maximum 2 hrs. M.S. students only.

To

**541 Seminar (1-2)** Review in oral or poster form of literature and current research in entomology or plant pathology, or report on student's thesis research; critique and analysis of presentation effectiveness. Presentations on current topics by outside speakers. Master's students only. May be repeated. Maximum 6 hours.

**EFFECTIVE: SPRING 2005**

Rationale: Course is being redesigned to make it more responsive to student needs; students will give varied forms of presentation of field, laboratory, or library research results.  
Course format and location: Course meets once a week.  
Impact on other units: None.  
Financial impact: None. The Stelmon Bennett Fund in EPP subsidizes outside speakers.

**REVISE DESCRIPTION**

From

**515 Physiology of Plant Disease (3)** Biochemical and physiological events involved in host-pathogen interactions. Mechanisms of disease resistance. Prereq: Introductory plant physiology and pathology or consent of instructor.

To

**515 Physiology of Plant Disease (3)** Biochemical and physiological events involved in host-pathogen interactions. Mechanisms of disease resistance. Master's students only. Prereq: Introductory plant physiology and pathology or consent of instructor. Students taking 515 cannot receive credit for 615.

**EFFECTIVE: SPRING 2005**

Rationale: Enrollment in this course will be restricted to M.S. students and requirements for successful completion will be less rigorous than those for the Ph.D. version (EPP 615).  
Course format and location: Three lectures per week, Plant Biotechnology Building.  
Impact on other units: None.  
Financial impact: None.

**DEPARTMENT OF FORESTRY, WILDLIFE AND FISHERIES**

**Forestry (396)**

ADD

**514 Tree Physiology (3)** Tree structure, growth and development, and function, and how these are related to the environment and to cultural practices. Influence of environmental variables on plant growth and distribution; effects of forest management practices on growth and function. Prereq: Botany 110-120, or Biology 101/102. Students cannot receive credit for both 414 and 514.

**EFFECTIVE: SPRING 2005**

Rationale: Course will provide needed background on forest-related environmental and physiological interactions for forestry students. Graduate students must also submit a paper, due on the last day of class that reviews basic principles of tree physiology as they relate to the students' thesis research. Graduate students must review past and current literature to determine what physiological processes are most important in their research area, and describe the current knowledge of how these are affected.  
Course format and location: Course meets twice a week for lecture and once in the laboratory.

Impact on other units: None

Financial impact: A recently hired faculty member will teach this course.

**521 Composite Materials from Renewable Resources (3)** Manufacturing processes, science and engineering of composite materials derived from renewable resources. Overview of renewable resources and utilization; structure and properties of natural fibers, thermosets, thermoplastics, and bioplastics; fundamentals of adhesion; engineered wood composites; natural fiber reinforced composites; and mechanical property and durability testing. Prereq: Basic understanding of polymer chemistry, engineering and physics, or consent of instructor.

**EFFECTIVE: SPRING 2005**

Rationale: Course needed to support growing graduate program in wood products.

Course format and location: Course meets twice a week for lecture and once in the wood products laboratory.

Impact on other units: Will support the graduate program in Materials Science whose faculty will participate and provide some lectures.

Financial impact: The course will have no financial impact on the College.

## **DEPARTMENT OF PLANT SCIENCES**

### **Plant Sciences (791)**

DROP FOR GRADUATE CREDIT

### **433 Agricultural Pesticides (3)**

**EFFECTIVE: FALL 2005**

Rationale: Course has not filled nor been offered for years. Shifting pesticide curriculum emphasis to weed management at both undergraduate and graduate level.

Impact on other academic units: None.

ADD FOR GRADUATE CREDIT

**432 Weed Management (3)** Principles of weed interference, integrated management, herbicide selectivity and behavior, specific recommendations for various crop and non-crop situations. 2 hours and 1 lab. Prereq: Environmental and Soil Sciences 210. Students who have received credit for 334 may not receive credit for this course.

**EFFECTIVE: FALL 2005**

Rationale: This course is currently PLSC 334. It is being revised and redesigned to better serve student needs. Dr. Mueller proposes to (a) make PLSC 432 a more rigorous course, (b) offer three laboratory sections oriented to distinct audiences, and (c) offer the course for both undergraduate and graduate credit. The three sections proposed are (1) UG turf and ornamentals, (2) UG agronomic/extension, and (3) graduate credit. Dr. Mueller is aware of UT regulations regarding additional requirements for the graduate section of courses offered for both undergraduate and graduate credit.

Course format and location: Lecture with lab; Ellington Plant Sciences Building.

Impact on other academic units: No graduate programs are impacted.

Financial impact: None, course is currently taught with multiple lab sections at the 300-level. This is just a redesign.

## **MEMORANDUM**

TO: The University of Tennessee Graduate Council

FROM: Sarah Gardial, Interim Dean of Academic Programs

DATE: March 25, 2004

SUBJECT: Proposed Graduate Curricular Changes – CBA

The attached curricular proposals have been approved by the CBA Graduate Policies Committee based on departmental and program faculty recommendations and are submitted to the faculty for consideration. The following is a summary of these proposals:

### **I. MANAGEMENT**

Drop two Management courses that will be taught as Operations and Management Science courses and move the MBA Concentration in Operations Management to reflect the move of the Operations and Management Science faculty to the newly formed department of Statistics, Operations and Management Science.

### **II. MARKETING AND LOGISTICS**

Revise cross-listing for Logistics 510.

### **III. STATISTICS, OPERATIONS, AND MANAGEMENT SCIENCE:**

Add academic discipline of Operations and Management Science, the MBA Concentration in Operations Management, and two Operations and Management Science courses (formerly Management courses) to reflect the move of the Operations and Management Science faculty from the Management department to the newly formed department of Statistics, Operations and Management Science.

## COLLEGE OF BUSINESS ADMINISTRATION

### DEPARTMENT OF MANAGEMENT

#### Management (625)

DROP PRIMARY CROSS-LISTED COURSE

#### 540 Logistics and Operations Management (3)

(See below: The new primary course will be Operations and Management Science 540)

DROP

#### 541 Operations Management (3)

**EFFECTIVE: FALL 2005**

MOVE MBA CONCENTRATION IN OPERATIONS MANAGEMENT FROM DEPARTMENT OF MANAGEMENT TO DEPARTMENT OF STATISTICS, OPERATIONS AND MANAGEMENT SCIENCE

On page 138, column 3 of the 2003-2004 Graduate Catalog, delete the description of the MBA Concentration in Operations Management. This concentration is being moved to the department of Statistics, Operations and Management Science and will be added under the Operations and Management Science heading (see below).

**EFFECTIVE: FALL 2005**

#### SUPPORTING INFORMATION

- a. Rationale: To reflect the change in Management courses resulting from the move of the Operations and Management Science faculty to the newly formed department of Statistics, Operations and Management Science. These courses and the MBA Concentration have been added under the Operations and Management Science heading in the Statistics, Operations and Management Science department.
- b. Course format and location: n/a
- c. Impact on other academic units: None expected.
- d. Financial impact: None

### DEPARTMENT OF MARKETING AND LOGISTICS

#### Logistics (626)

REVISE SECONDARY CROSS-LISTED COURSE

From

**Logistics 510 Logistics and Operations Management (3)** (*Same as Management 540.*)

To

**Logistics 510 Logistics and Operations Management (3)** (*Same as Operations and Management Science 540.*)

**EFFECTIVE: FALL 2005**

#### SUPPORTING INFORMATION

- a. Rationale: To reflect the change in Management courses resulting from the move of the Operations and Management Science faculty to the newly formed department of Statistics, Operations and Management Science. Management 540 has been dropped and then added as Operations and Management Science 540 in this memo.
- b. Course format and location: n/a
- c. Impact on other academic units: None expected.
- d. Financial impact: None

### DEPARTMENT OF STATISTICS, OPERATIONS AND MANAGEMENT SCIENCE

MOVE MBA CONCENTRATION IN OPERATIONS MANAGEMENT TO THIS DEPARTMENT AND REVISE REQUIREMENTS FOR THE CONCENTRATION

On page 190 of the 2003-2004 Graduate Catalog (after the Statistics section and after the Management Science section [which was moved from Management on page G392 of the Graduate Council Minutes dated January 29, 2004]), insert



"Operations and Management Science," a description of the MBA Concentration in Operations Management, and the courses as follows:

**\*MBA Concentration:**  
Operations Management.

Minimum course requirements: **OMS 540, OMS 541**, and one course from the following: Management Science 526, 551, Statistics 566, Industrial Engineering 522, 526, or an applicable course approved by designated faculty.

*\* This text was formerly on page 138 of the 2003-2004 Graduate Catalog under the "Management" heading. The prefix for Management courses 540 and 541 has been updated as well.*

**EFFECTIVE: FALL 2005**

ADD FORMER MANAGEMENT COURSES UNDER THE OPERATIONS AND MANAGEMENT SCIENCE ACADEMIC DISCIPLINE

**Operations and Management Science (738) (OMS)**

ADD PRIMARY CROSS-LISTED COURSE

**540 Statistics and Operations Management (3)** Analysis of methods and models for understanding supply chain flows processes. Introduction to management strategies and techniques applicable to design of systems in logistics and operations processes. Prereq: Business Administration 511, 512, and 513 or consent of instructor. (*Same as Logistics 510.*)

*Note: the course description for Management 540, this course's predecessor, was revised in the Graduate Council Minutes dated January 29, 2004 on page G388. This OMS course description reflects those revisions.*

ADD

**541 Operations Management (3)** Techniques applicable to design of systems in operations planning and control in manufacturing and service industries. Modeling real-world systems through problem definition, supporting data structure design, model design, solution, implementation, and maintenance. Prereq: 540 or Logistics 510 or permission of instructor.

**SUPPORTING INFORMATION**

- a. Rationale: To reflect the change in Management courses resulting from the move of the Operations and Management Science faculty to the newly formed department of Statistics, Operations and Management Science. These courses have been dropped from the Management department.
- b. Course format and location: n/a
- c. Impact on other academic units: None expected.
- d. Financial impact: None.

**EFFECTIVE: FALL 2005**

**EQUIVALENCY TABLE**

<b>CURRENT COURSES</b>	<b>EQUIVALENT COURSES – FALL 2005</b>
<b>Management 540(3)</b> Logistics and Operations Management ( <i>Same as Logistics 510.</i> )	<b>Operations and Management Science 540(3)</b> Logistics and Operations Management ( <i>Same as Logistics 510.</i> )
<b>Management 541(3)</b> Operations Management	<b>Operations and Management Science 541(3)</b> Operations Management

# Memo

**To:** Graduate Council  
**From:** Tom George  
**Date:** 4/15/2004  
**Re:** Item for the Graduate Council Agenda

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Attached please find a request to offer one of our current courses, Health/Public Health 650, in an electronically-mediated format. We are requesting that the item be placed on the agenda for the next Graduate Council meeting.

Please contact me at 974-0818 if you have any questions or need additional information. Thank you.

## COLLEGE OF EDUCATION, HEALTH AND HUMAN SCIENCES

### DEPARTMENT OF HEALTH AND EXERCISE SCIENCE

#### Health (449) and Public Health (839)

#### REQUEST FOR ELECTRONICALLY-MEDIATED FORMAT (CROSS-LISTED COURSE)

**Health 650** (primary course)  
**Public Health 650**

- **Total Number of Weeks:** 5 weeks (during summer session)
- **Total Expected Student Time Commitment:** 40-45 hours (chat/discussion)
- **Course Designation:** Tennessee-Online
- **Student Site Requirements:** Meet online twice weekly during designated period, for discussions about articles, chapters, notes, etc. Students will also meet online to do presentations. In addition, there will be weekly "forum" postings for the students to interact with each other for additional learning and brainstorming opportunities.
- **What is the nature and quantity of structured student/instructor interaction?** Estimate that students will be actively involved online approximately 6-8 hours per week through scheduled online class session chats and discussion board activities.
- **What is the nature and quantity of structured student/student interaction?** Initially, meet online each class session. Begin with online review of notes and articles for weekly assignments. Discuss other aspects of materials from the assigned chapters.
- **Can course be used in partial fulfillment of degree requirements?** Course is required for both the MPH in Gerontology and the current PhD in Human Ecology with emphasis in Community Health.
- **Explain why the mode of course delivery is suitable for the subject matter.** Material for course is primarily content and not skill-based. It is suitable for guided instruction and discussion. In the classroom version, it is already enhanced with online aspects—discussion boards, interactive syllabus, library access for articles, etc.—since Blackboard is used to provide materials and other information to students. The digital drop box is also used to submit assignments.
- **How will student learning be evaluated?** By participation in discussions from chapters in textbook and assigned readings, submission of three critiques of articles relevant to the weekly topics, final paper and presentation materials.
- **Does the course cover the same amount of material as a comparable standard format (classroom) course? If no, explain.** Yes, it is designed to cover the same ground but have broader enrollment and interdisciplinary potential.

**EFFECTIVE: SUMMER 2004 (second session)**

## INFORMATIONAL ITEMS

### ACCLAIM COURSE

ADD

**ACCLAIM 001 (0)** EdD Acclaim Program (course will not appear in *Graduate Catalog*)

(ACCLAIM = Appalachian Collaborative Center for Learning Assessment and Instruction in Mathematics – see top of first column, p. 195 of the 2003-2004 *Graduate Catalog* for a description of this program.)

**EFFECTIVE DATE: SUMMER 2004**

#### MEMORANDUM

TO: Monique Anderson  
Brenda Rayman  
Margie Russell

FROM: Mary Papke, Associate Dean

DATE: March 25, 2004

SUBJECT: Request for ACCLAIM Course for 0.0 Hours Registration

Please create a course for the ACCLAIM program that carries 0.0 hours credit, no course type, no credit level, and no grading. The academic discipline should be "ACCLAIM" and the course number should be 001. The course title should read "EDD ACCLAIM PROGRAM." When grades are posted, the registration should be left blank.

Students in the ACCLAIM program will be the only ones allowed to register for this course. Dr. Vena Long, Professor of Theory and Practice in Teacher Education, is responsible for the administration of this program on the UTK campus. If you should have questions, please contact her.

The information concerning this course should be shared with the Graduate Council via the Curriculum Committee.

Thanks for your help.

KR

c: Dr. Vena Long

## 2004-2005 Calendar and Effective Dates of Graduate Curricular Proposals

Graduate curricular material due before noon	Graduate Curriculum Committee (3:30 – 4 <sup>th</sup> Floor AHT)	Graduate Council (3:00 – 8 <sup>th</sup> Floor AHT)
September 9, 2004	September 23, 2004	October 7, 2004 <sup>1</sup>
October 21, 2004	November 4, 2004	November 18, 2004 <sup>1</sup>
December 3, 2004	January 13, 2005 <b>**2:00 – 8<sup>th</sup> Floor AHT**</b>	January 27, 2005 <sup>1</sup>
-----	<b>-Will not meet-</b>	March 3, 2005 <sup>2</sup>
March 24, 2005	April 7, 2005	April 21, 2005 <sup>3</sup>

<sup>1</sup> Effective date of curricular changes to majors, concentrations, minors, and policy approved October 7, 2004, November 18, 2004, January 27, 2005: **Fall 2005**. The effective date of course changes approved at the October 7, 2004 meeting can be **Spring 2005** as long as the changes do not affect the requirements for majors, concentrations, minors, etc. (These changes will appear in the 2005-2006 *Graduate Catalog*.)

<sup>2</sup> The Curriculum Committee will not meet February 2005. No curricular proposals will be presented at the March 3, 2005 Graduate Council Meeting.

<sup>3</sup> Effective date of curricular proposals approved at the April 21, 2005 meeting:

**Spring 2006** for course changes that do not affect the requirements for a major, concentration, minor, etc. (These changes will appear in the 2006-2007 *Graduate Catalog*.)

**Fall 2006** for changes to majors, concentrations, minors, policy; and changes to courses that affect the requirements for a major, concentration, minor—such as dropping courses, revising credit hours, revising subject area, etc. (These changes will appear in the 2006-2007 *Graduate Catalog*.)