

A regular meeting of the University Curriculum Committee was held on October 1, 2007 at 3:00 p.m.

Members present: Chair Carole Makela, Professors W. Marshall Frasier, David Gilliland, Patrick Fitzhorn, Paul Metz for Donna Rouner, John Ridley, Steven Strauss, C.W. Miller, Cathy Cranston, graduate representative Trena Anastasia, undergraduate representative Andy Shank.

Absent: Alan Lamborn (*ex-officio*).

Minutes

The minutes of September 24, 2007, were approved.

CURRICULAR REQUESTS

* Offered in 2008 and even years thereafter.

The following curricular requests were approved.

New Courses

Effective Date

***ECOL 610 03(2-0-1). Ecosystem Ecology.** F. Prerequisite: BIO 320 or any ECOL course.

Spring Semester 2008

Concepts, methods, issues in ecosystem science: energy and matter cycling, systems perspectives, simulation modeling, sustainability, global change.

***HIST 342 03(3-0-0). The Old South.** F. Prerequisite: HIST 150 or HIST 151; completion of 45 credits.

Fall Semester 2008

Old South, 1607-1865; plantation system, slavery, gender, honor, interactions with Native Americans, southern nationalism, secession, Civil War.

MATH 418 03(3-0-0). Advanced Calculus II. S. Prerequisite: MATH 417.

Fall Semester 2008

Line and surface integrals, series, sequences and series of functions.

Minor Change in Courses – These courses missed the September Minor Change List and are effective Spring 2008.

		PRESENT LISTING	REQUESTED CHANGE	EFFECTIVE DATE
AGRI	487	Internship. Prerequisite: AGRI 546.	Prerequisite: None.	Spring 2008
AGRI	631	Building the Business. F. Prerequisite: AGRI 630.	F, S. Prerequisite: None.	Spring 2008
AGRI	632	Understanding and Managing the Land. F. Prerequisite: AGRI 631.	F, S. Prerequisite: None.	Spring 2008
AGRI	633	Understanding and Managing Animal Resource. F. Prerequisite: AGRI 632.	F, S. Prerequisite: None.	Spring 2008
AGRI	634	Animal Production Systems. Prerequisite: AGRI 633.	F, S. Prerequisite: None.	Spring 2008
AGRI	635	Integrated Grazing Management. Prerequisite: AGRI 634.	F, S. Prerequisite: None.	Spring 2008

Minor Change in Courses – These courses missed the September Minor Change List and are effective Spring 2008.

	PRESENT LISTING	REQUESTED CHANGE	EFFECTIVE DATE
AGRI 636	Analyzing and Managing the Business. S. Prerequisite: AGRI 635.	F, S. Prerequisite: None.	Spring 2008
AGRI 637	Understanding Policy and Emerging Issues. S. Prerequisite: AGRI 636.	F, S. Prerequisite: None.	Spring 2008
AGRI 638	Monitoring for Success. S. Prerequisite: AGRI 637.	F, S. Prerequisite: None.	Spring 2008
AGRI 639	Products to Profit. S. Prerequisite: AGRI 638.	F, S. Prerequisite: None.	Spring 2008
AGRI 640	Integrated Resource Management Plan. S. Prerequisite: AGRI 639.	F, S. Prerequisite: None.	Spring 2008

Major Change in Courses

Effective Date

MATH 417 03(3-0-0). Advanced Analysis, **change to:**

Fall Semester 2008

MATH 417 03(3-0-0). Advanced Calculus I. F. Prerequisite: MATH 317; MATH 369.

Topology of Euclidean spaces, limits, derivatives and integrals on Euclidean spaces. Implicit functions and the implicit function theorem.

New Curriculum

**College of Engineering
 Department of Electrical and Computer Engineering
 Extreme Ultraviolet and Optical Science and Technology
 Graduate Interdisciplinary Studies Program**

Effective Spring 2008

(The entire program is shown.)

<u>Course</u>	<u>Title (Prerequisite)</u>	<u>Cr</u>
Core Courses		
ECE 504	Physical Optics (ECE 341; ECE 342)	3
ECE 650	Extreme Ultraviolet and Soft X-Ray Radiation (ECE 342)	3
	TOTAL	6
Elective Courses (<i>Select nine credits from the following</i>)		
BC 511	Structural Biology I (BC 401 or concurrent reg.)	4
BC 565	Molecular Regulation of Cell Function (BC 403 or concurrent reg. or BC 351; LIFE 210)	4
BC 611	Structural Biology II (BC 511)	2
CHEM 532	Advanced Chemical Analysis II (CHEM 431)	3
CHEM 563A	Physical Methods in Inorganic Chemistry-Group Theory (CHEM 461)	1
CHEM 571	Quantum Chemistry (CHEM 472 or CHEM 474)	3

<u>Course</u>	<u>Title (Prerequisite)</u>	<u>Cr</u>
CHEM 773	Atomic and Molecular Spectroscopy (CHEM 571)	3
ECE 503	Ultrafast Optics (ECE 341; ECE 342)	3
ECE 505	Nanostructure Fundamentals and Applications (ECE 342; PH 353)	3
ECE 506	Optical Interferometry and Laser Metrology (ECE 341; ECE 342; ECE 441)	3
ECE 507	Plasma Physics and Applications (ECE 342)	3
ECE 546	Laser Fundamentals and Devices (ECE 441)	3
ECE 773	Topics in Solid State Electronics (ECE 471 or ECE 672/PH 672)	3
MATH 560	Linear Algebra (MATH 369)	3
PH 451	Introductory Quantum Mechanics I (MATH 340; PH 314)	3
PH 452	Introductory Quantum Mechanics II (PH 451)	3
PH 521	Introduction to Lasers (CHEM 476 or PH 451; MATH 340; PH 353)	3
PH 522	Introductory Laser Laboratory (PH 521 or concurrent reg.)	1
PH 572	Mathematical Methods for Physics II (PH 571)	3
PH 641	Electromagnetism I (PH 351; PH 572)	3
PH 642	Electromagnetism II (PH 641)	3
PH 651	Quantum Mechanics I (PH 452; PH 571 or concurrent reg.)	3
PH 652	Quantum Mechanics II (PH 651)	3
	TOTAL	9

PROGRAM TOTAL = 15 credits

Request for New Graduate Interdisciplinary Studies Program

A request by the Department of Electrical and Computer Engineering to establish a new graduate interdisciplinary studies program in extreme ultraviolet and optical science and technology was approved. The effective date for the new program, subject to special action by Faculty Council, is Spring 2008.

Minimum Grade Requirement in Psychology

A request by the Department of Psychology to establish the following minimum grade policy for psychology majors was approved. The recommended effective date for the policy, subject to special action by Faculty Council, is Fall 2008.

Students must have a C- or better in each: PSY 100; PSY 210; PSY 250; PSY 252; PSY 401; and the three lecture-lab pairings in psychology.

The department previously had a minimum grade policy for their major, but requested it be removed from the 2007-2008 *General Catalog* because the department had removed some of the courses covered by the previous policy from the program of study. The request came too late for consideration by UCC and Faculty Council. The policy was removed with the understanding that, effective Fall 2007, there would be no minimum grade policy enforced for psychology majors and the department would have to submit a new minimum grade policy.

Experimental Course Request

Waneta reviewed the changes she proposed for the Experimental Course Request form. After discussion, the proposed changes were approved. The revised form will be placed on the UCC Web site.

The meeting adjourned at 5:15 p.m.

(FC) 10/15/07

Carole Makela, Chair
 Waneta Boyce, Secretary