

A regular meeting of the University Curriculum Committee was held on May 9, 2008 at 2:00 p.m.

Members present: Chair Carole Makela, Professors W. Marshall Frasier, David Gilliland, Patrick Fitzhorn, Donna Rouner, John Ridley, Steven Strauss, graduate representative Trena Anastasia, and undergraduate representative Andy Shank.

Absent: Professor C.W. Miller, Cathy Cranston, and Alan Lamborn (*ex-officio*).

Minutes

The minutes of May 2, 2008, were approved.

CURRICULAR REQUESTS

The following curricular requests were approved:

New Courses

Effective Date

NSCI 695 03(0-0-3). Independent Study for the MNSE. SS. Prerequisite: NSCI 698 and written consent of instructor. Summer Semester 2009

Independent study based on review of the primary scientific literature in biology, chemistry, or physics.

NSCI 698 07(0-0-7). Research Experience in Natural Sciences. SS. Summer Semester 2009

Prerequisite: Nine credits of MNSE program coursework.

Research experience in biology, chemistry, or physics.

Minor Change in Courses

	PRESENT LISTING	REQUESTED CHANGE	EFFECTIVE DATE
ATS 699C	Thesis. C) Climatology.	Thesis. C) Chemistry-Climate Interactions.	Spring 2009
ATS 699F	Thesis. F) Tropical Meteorology.	Thesis. F) Ocean-Atmosphere Interactions.	Spring 2009
ATS 799C	Dissertation. C) Climatology.	Dissertation. C) Chemistry-Climate Interactions.	Spring 2009
ATS 799F	Dissertation. F) Tropical Meteorology.	Dissertation. F) Ocean-Atmosphere Interactions.	Spring 2009

New Curricula

**College of Engineering
 Master of Engineering
 Systems Engineering Specialization (Plan C)**

Effective Fall 2008

(The entire program is shown.)

<u>Course</u>	<u>Title</u>	<u>Cr</u>
Core Courses		
CIS 600 ^P	Information Technology and Project Management	3
ENGR 501/ ECE 501	Foundations of Systems Engineering	3
ENGR 530 ^P / ECE 530 ^P	Overview of Systems Engineering Process	3
ENGR 531 ^P / ECE 531 ^P	Engineering Risk Analysis	3
	TOTAL	<hr/> 12
Courses in Depth		

	<i>Select three courses from following:</i>	
CIS 610 ^P	Software Development Methodology	3
ENGR 510 ^P / MATH 510 ^P	Linear Programming and Network Flows	3
ENGR 610 ^P	Engineering Decision Support/Expert Systems	3
ENGR 532 ^P / ECE 532 ^P	Dynamics of Complex Engineering Systems	3
MECH 513	Simulation Fundamentals	3
	TOTAL	<hr/> 9
Electives ¹ (Select 6 credits minimum)		6
Group Study		
ENGR 597 ^P	Group Study in Systems Engineering	3
PROGRAM TOTAL = Minimum of 30 credits		

^P This course has at least one prerequisite. Check the Courses of Instruction section of the catalog or <http://catalog.colostate.edu/front/courses-of-instruction.aspx> to see the course prerequisites.

¹ 400 level or above regular course credits consistent with the student's program of study

NOTE: One course cannot satisfy multiple requirements.

**Department of Electrical and Computer Engineering
 Systems Engineering Graduate Interdisciplinary Studies Program**

Effective Fall 2008

(The entire program is shown.)

<u>Course</u>	<u>Title</u>	<u>Cr</u>
Core Courses		
CIS 600 ^P	Information Technology and Project Management	3
ENGR 501/ ECE 501	Foundations of Systems Engineering	3
ENGR 530 ^P / ECE 530 ^P	Overview of Systems Engineering Process	3
ENGR 531 ^P	Engineering Risk Analysis	3

<u>Course</u>	<u>Title</u>	<u>Cr</u>
ECE 531 ^P		
	TOTAL	12
PROGRAM TOTAL = 12 credits		

^P This course has at least one prerequisite. Check the Courses of Instruction section of the catalog or <http://catalog.colostate.edu/front/courses-of-instruction.aspx> to see the course prerequisites.

NOTE: To be admitted to the program, students must be pursuing a graduate degree in another discipline other than the Systems Engineering Specialization in the Master of Engineering at Colorado State University.

Major Changes in Curriculum

Warner College of Natural Resources Conservation Biology Interdisciplinary Studies Program

Effective Spring 2009

(The entire program is shown. Deletions are in ~~strikeout~~; additions are in underline.)

<u>Course</u>	<u>Title</u>	<u>Cr</u>	<u>AUCC</u>
Core Curriculum			
<i>Select one course from the following:</i> ¹			
<u>BZ 220^P</u>	<u>Introduction to Evolution</u>	<u>3</u>	
<u>BZ 350^P</u>	<u>Molecular and General Genetics</u>	<u>4</u>	
<u>SOCR 330^P</u>	<u>Principles of Genetics</u>	<u>3</u>	
<u>LIFE 320^P</u>	<u>Ecology</u>	<u>3</u>	
OR			
LAND 220 ^P / LIFE 220 ^P	Fundamentals of Ecology	3	
<u>NR 300^P</u>	<u>Biological Diversity</u>	<u>3</u>	
<u>NR 495</u>	<u>Independent Study</u> ²	<u>2</u>	
<u>SOC 320^P</u>	<u>Population-Natural Resources and Environment</u>	<u>3</u>	
<i>Select at least three<u>six</u> credits from the following:</i>			
ERHS 446^P	Environmental Toxicology	3	
F 311 ^P	Forest Ecology	3	
<u>FW 260^P</u>	<u>Principles of Wildlife Management</u>	<u>3</u>	
<u>FW 400^P</u>	<u>Conservation of Fish in Aquatic Ecosystems</u>	<u>3</u>	
FW 474^P	Wildlife Ecology	3	
<u>FW 477^P</u>	<u>Habitat for Wildlife</u>	<u>3</u>	
<u>HIST 355^P</u>	<u>American Environmental History</u>	<u>3</u>	
NR 440	Land Use Planning	3	
NR 460 ^P	Wilderness Management	3	
PHIL 345 ^P	Environmental Ethics	3	
POLS 361 ^P	U.S. Environmental Politics and Policy	3	
RS 331 ^P	Rangeland Ecogeography	3	
NR 120A	Environmental Conservation	3	3A
NR 300^P	Biological Diversity	3	
NR 495	Independent Study	2	
SOC 320^P	Population-Natural Resources and Environment	3	
SOCR 330^P	Principles of Genetics [†]	3	

<u>Course</u>	<u>Title</u>	<u>Cr</u>	<u>AUCC</u>
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PROGRAM TOTAL = 20 credits

^P This course has at least one prerequisite. Check the Courses of Instruction section of the catalog or <http://catalog.colostate.edu/front/courses-of-instruction.aspx> to see the course prerequisites.

¹ [Select one of the courses listed or any other genetics or evolution course.](#)

² [Course topic is to be "Conservation Biology."](#)

⁺ ~~BZ-350 may be substituted.~~

Request to Add Specialization to Master's Degree (Plan C)

A request by the College of Engineering to add the systems engineering specialization to the master of engineering (Plan C) was approved. The effective date, subject to approval by Faculty Council, is Fall Semester 2008.

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 systems engineering was approved. The effective date for the new program, subject to special action by Faculty Council, is Fall 2008.

The meeting adjourned at 3:35 p.m.

(FC) 6/2/08

Carole Makela, Chair
Tom Hoehn for Waneta Boyce, Secretary