

A regular meeting of the University Curriculum Committee was held on April 17, 2009 at 2:00 p.m.

Members present: Chair Carole Makela, Professors Bradley Goetz, David Gilliland, John Didier for Walt Jones, John Ridley, Steven Strauss, C. W. Miller for Howard Ramsdell, Cathy Cranston, and Alan Lamborn (*ex-officio*).

Absent: Professor Patrick Fitzhorn and undergraduate representative Lindsey McKee.

Guests: Sonya LeFebre, Linda Selkirk, and Lorann Stallones.

Minutes

The minutes of April 10, 2009, were approved.

CURRICULAR REQUESTS

* Course is offered for term specified in even-numbered years.

The following curricular requests were approved.

New Courses

Effective Date

***NR 540A-D 02(1-2-0). Environmental Issues.** S. Prerequisite: Admission to the Conservation Leadership specialization. Students must enroll in NR 540A-D concurrently.

Fall Semester 2009

A) Water Resources. B) Biological Diversity. C) Ecologic Reconciliation. D) Ecosystem Services.

***NR 541 02(2-0-0). Conservation Policy, Finance, and Governance.** S. Prerequisite: Admission to the Conservation Leadership specialization.

Fall Semester 2009

Overview of conservation policy, finance, and governance issues at the local, national, and international levels.

***NR 542 02(2-0-0). Global Change and Conservation.** S. Prerequisite: Admission to the Conservation Leadership specialization.

Fall Semester 2009

Potential ecological, societal, and economic impacts of global change across scales in the context of conservation.

***NR 543A 02(2-0-0). Catalyzing Change: Conflict and Conservation.** S. Prerequisite: Admission to the Conservation Leadership specialization.

Fall Semester 2009

Communication, conflict management, group decision-making theories and tools to effectively create change in the field of conservation.

***NR 549A Var[1-3]. Conservation/Systems Leadership.** S, SS.

Fall Semester 2009

Prerequisite: Admission to the Conservation Leadership specialization.

Conservation leadership development by exposure to leadership models, theories, case studies, assessments and trainings.

New Curricula

**College of Applied Human Sciences
Department of Design and Merchandising
Master of Science in Interior Design (Plan B)**

Effective Spring 2010

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

Course

Title

Cr

Department Core

<u>Course</u>	<u>Title</u>	<u>Cr</u>
DM 501	<u>Research and Theory-Design and Merchandising</u>	<u>3</u>
DM 551	<u>Research Methods</u>	<u>3</u>
	<u>Specialized research/data analysis methods course¹</u>	<u>3</u>
<u>Content Coursework</u>		
	<u>Select a minimum of 15 credits from AM, DM, INTD prefixes²</u>	<u>15</u>
<u>Breadth</u>		
	<u>Course(s) from outside Design and Merchandising department³</u>	<u>3</u>
<u>Paper/Project</u>		
DM 698	<u>Research</u>	<u>3</u>
PROGRAM TOTAL = <u>30 credits</u>		

¹Select a minimum of one course with approval by student's graduate committee. Students may need to complete prerequisites before enrolling in approved data analysis course.

²Select courses with advisor approval.

³A minimum of 3 credits taken outside the department in addition to the specialized research/data analysis course(s), with advisor approval.

Major Changes in Curricula

**Colleges of Applied Human Sciences, Liberal Arts, Natural Sciences
 and Veterinary Medicine and Biomedical Sciences
 Master of Public Health**

Effective Fall 2009

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

<u>Course</u>	<u>Title</u>	<u>Cr</u>
Core Courses (required of all students)		
<u>PSY 516A-C^P</u>	<u>Public Health Practice</u>	<u>3</u>
<i>Select one course from the following:¹</i>		
ERHS 542 ^P	Biostatistical Methods for Qualitative Data	3
ERHS 544 ^P	Biostatistical Methods for Quantitative Data	3
STAT 544 ^P		
<u>BIOS 6601</u>	<u>Applied Biostatistics¹</u>	<u>3</u>
<u>SRM 617^P</u>	<u>Biostatistics and Health Data Analysis²</u>	<u>3</u>
<i>Select one course from the following:</i>		
<u>ERHS 532^P</u>	<u>Epidemiologic Methods</u>	<u>3</u>
<u>EPID 6630</u>	<u>Epidemiology¹</u>	<u>3</u>
<u>CH 620^P</u>	<u>Epidemiology²</u>	<u>3</u>
ANTH 520	Women, Health, and Culture (graduate standing)	3
ANTH 540	Medical Anthropology (graduate standing)	3
HES 556	Wellness and Health Promotion Concepts	3
JTC 614	Public Communication Campaigns (JTC 501)	3
PSY 517	Perspectives in Global Health	3
IE 517		
<i>Select one course from the following:</i>		
ERHS 520 ^P	Environmental and Occupational Health Issues	3
<u>EHOH 6614^P</u>	<u>Occupational and Environmental Health¹</u>	<u>3</u>
<u>CH 550</u>	<u>Environmental Health²</u>	<u>3</u>
<i>Select one course from the following:</i>		
<u>HSMP 6603</u>	<u>Health Systems and Management¹</u>	<u>3</u>

<u>Course</u>	<u>Title</u>	<u>Cr</u>
<u>CH 625</u>	<u>Public Health Administration and Policy²</u>	<u>3</u>
<i>Select one course from the following:</i>		
<u>HES 556</u>	<u>Wellness and Health Promotion</u>	<u>3</u>
<u>CBHS 6610</u>	<u>Social and Community Factors in Health¹</u>	<u>3</u>
<u>CH 560</u>	<u>Scientific Foundations of Health Promotion/Disease Prevention²</u>	<u>3</u>
ERHS 532	Epidemiologic Methods (ERHS 307/STAT 307)	3
ERHS 542	Biostatistical Methods for Qualitative Data (ERHS 307/STAT 307 or STAT 301)	3
OR		
ERHS 544/	Biostatistical Methods for Quantitative Data (ERHS 307/STAT	3
STAT 544	307 or STAT 301)	3
PSY 516A-C	Public Health Practice (admission to MPH degree program)	3
PRMD 6603²	Health Systems Management	3
<u>PSY 686B^P</u>	<u>Public Health Practicum</u>	<u>2</u>
<u>ERHS 698</u>	<u>Research</u>	<u>2</u>
Electives	<u>Electives (minimum of 20 credits; see department list)³</u>	<u>20</u>
Elective Courses (minimum of 24 credits)		
PROGRAM TOTAL = 42 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 ~~Community and behavioral health courses.~~

²⁻¹ Offered at the University of Colorado Health Sciences Center in Denver.

² Offered at the University of Northern Colorado.

³ See complete listing of elective courses in the Graduate Program in Public Health degree office.

**Warner College of Natural Resources
 Department of Forest, Rangeland, and Watershed Stewardship
 Master of Natural Resources Stewardship (Plan C)**

Effective Fall 2009

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

<u>Course</u>	<u>Title</u>	<u>Cr</u>
COURSEWORK COMMON TO THE DEGREE		
<u>F 693</u>	<u>Seminar</u>	<u>1</u>
OR		
<u>RS 693</u>	<u>Seminar</u>	<u>1</u>
FW 555^P	Conservation Biology	3
NR 506^P	GIS Methods for Resource Management	4
NR 592	Seminar in Natural Resources	1
RS 578^P	Ecology of Disturbed Lands	3
<u>NR 693^P</u>	<u>Natural Resources Stewardship Seminar</u>	<u>2</u>
	<u>Specialization Concept Course¹</u>	<u>3</u>
	<u>Specialization Applications Course¹</u>	<u>2-4</u>
	<u>Specialization Additional Courses²</u>	<u>5-7</u>
	<u>Broad Requirements³</u>	<u>9</u>
	<u>Electives⁴</u>	<u>6</u>
PROGRAM TOTAL = 30 credits		

Course	Title	Cr
NRRT 439^P	Open Space and Natural Area Management	3
NRRT 463^P	Non-Profit Administration in Conservation	3

ECOLOGICAL RESTORATION SPECIALIZATION

Concept Courses (1 course minimum)

RS 578^P	Ecology of Disturbed Lands	3
RS 630^P	Ecology of Grasslands and Shrublands	3

Applications Courses (1 course minimum)

ECOL 620^P	Applications in Landscape Ecology	4
RS 501^P	Range Habitat Manipulation	3

Additional Courses (select courses to bring specialization credit total to 12)

BSPM 308	Ecology and Management of Weeds	3
BSPM 528^P	Invasive Plants/Weeds: Ecosystems to Molecules	3
BSPM 550^P	Molecular Plant-Microbe Interactions	3
BSPM 551^P	Advanced Integrated Pest Management	4
BSPM 556	Biological Control of Plant Pests	3
BZ 561^P	Landscape Ecology	3
BZ 572^P	Phytoremediation	3
CIVE 440^P	Nonpoint Source Pollution	3
CIVE 553^P	Slope Stability and Retaining Structures	3
CIVE 658	Remediation Systems—Subsurface Contamination	3
ECOL 505^P	Foundations of Ecology	2
ECOL 600^P	Population and Community Ecology	4
FW 677^P	Wildlife Habitat Management	3
MIP 624^P	Advanced Topics in Microbial Ecology	2
NR 575^P	Systems Ecology	4
NR 622^P	Analysis of Environmental Impact	3
NR 660^P	Biogeochemical Cycling in Ecosystems	3
RS 478^P	Restoration Ecology	3
RS 532^P	Range Ecosystem Sampling	3
SOCR 442	Forest and Range Soils	3
SOCR 478^P	Environmental Soil Sciences	3
SOCR 540^P	Soil-Plant-Nutrient Relationships	3
SOCR 550^P	Advanced Soil Genesis	3

FOREST SCIENCES SPECIALIZATION

Concept Courses (1 course minimum)

F 624^P	Fire Ecology	3
F 625^P	Ecology of Forest Production	3

Applications Courses (1 course minimum)

F 525^P	Silvicultural Practices	4
NR 622^P	Analysis of Environmental Impact	3

Additional Courses (select courses to bring specialization credit total to 12)

F 311^P	Forest Ecology	3
F 321^P	Forest Biometry	3
F 322^P	Economics of the Forest Environment	3
F 325^P	Silviculture	3
F 330^P	Timber Harvesting and the Environment	3
BSPM 521	Forest Health Issues	2
F 421^P	Timber Management	5
F 422^P	Quantitative Methods in Forest Management	3
F 424^P	Wildland Fire Behavior and Management	3
F 425^P	Advanced Wildland Fire Behavior and Management	3

Course	<u>Title</u>	<u>Cr</u>
F 430 ^P	Forestry Field Practices	3
F 510 ^P	Ecophysiology of Trees	3
F 520 ^P	Advanced Quantitative Methods in Forestry I	3
F 521 ^P	Advanced Quantitative Methods in Forestry II	3
F 522 ^P	Advanced Forest Economics	3
F 524 ^P	Forest Fire Meteorology and Behavior	3
F 544 ^P	Decision Methods for Fire Managers	3
F 721 ^P	Forest Policy	3
NR 425 ^P	Natural Resource Policy and Sustainability	3

RANGELAND ECOSYSTEMS SPECIALIZATION

Concept Courses (1 course minimum)

RS 531 ^P	World Grassland Ecogeography	3
RS 630 ^P	Ecology of Grasslands and Shrublands	3

Applications Courses (1 course minimum)

RS 520 ^P	Range Issues and Policy	2
RS 532 ^P	Range Ecosystem Sampling	3

Additional Courses (select courses to bring specialization credit total to 12)

RS 300^P	Principles of Range Management	3
RS 320/	Forage and Range Management	3
SOCR 320		
RS 331^P	Rangeland Ecogeography	3
RS 332^P	Range Measurements	2
RS 351^P	Range Plant Production and Decomposition	3
BZ 440 ^P	Plant Physiology	3
RS 400 ^P	Rangeland Improvements	2
RS 420 ^P	Grass Taxonomy	3
RS 452 ^P	Rangeland Herbivore Ecology and Management	3
RS 470 ^P	Rangeland Economics and Analysis	2
RS 471 ^P	Rangeland Planning and Grazing Management	2
RS 500 ^P	Advanced Rangeland Management	3
RS 501 ^P	Range Habitat Manipulation	3
RS 552 ^P	Range Animal Production and Management	4

SPATIAL INFORMATION SYSTEMS SPECIALIZATION

Concept Courses (1 course minimum)

BZ 561 ^P	Landscape Ecology	3
LAND 560 ^P	Structure of Landscape Patterns	3

Applications Courses (1 course minimum)

NR 503	Remote Sensing of Natural Resources	4
NR 505 ^P	Concepts in GIS	4

Additional Courses (select courses to bring specialization credit total to 12)

CIVE 576	Engineering Applications of GIS and GPS	3
CIVE 577 ^P	GIS in Civil and Environmental Engineering	3
ECE 513 ^P	Digital Image Processing	3
NR 422 ^P	GIS Applications in Natural Resource Management	4
NR 423 ^P	Applications of Global Positioning Systems	1
NR 493 ^P	Seminar on GIS and Remote Sensing Applications	1
NR 504^P	Computer Analysis of Remote Sensing Data	4
NR 512 ^P	Spatial Statistical Modeling—Natural Resources	3
NR 523 ^P	Quantitative Spatial Analysis	3
STAT 523 ^P		

Course		<u>Title</u>	<u>Cr</u>
NR	621 ^P	Design of Geographic Information Systems	3
NR	793 ^P	Seminar on Remote Sensing and GIS	1

WATERSHED SCIENCE SPECIALIZATION

Concept Courses (1 course minimum)

WR	616 ^P	<u>Hillslope Hydrology and Runoff Processes</u>	<u>3</u>
GEOL	652 ^P	Fluvial Geomorphology	3

Applications Courses (1 course minimum)

WR	516 ^P	<u>Cumulative Effects and Watershed Analysis</u>	<u>3</u>
WR	524 ^{P/}	<u>Modeling Watershed Hydrology</u>	<u>4</u>
CIVE	524 ^P		

Additional Courses (select courses to bring specialization credit total to 12)

AREC	442 ^P	<u>Water Resource Economics</u>	<u>3</u>
ATS	606 ^P	<u>Introduction to Climate</u>	<u>3</u>
BZ	471 ^P	<u>Stream Biology and Ecology</u>	<u>3</u>
CIVE	322^{P/}	Basic Hydrology	3
ENVE	322^P		
CIVE	413 ^P	<u>Environmental River Mechanics</u>	<u>3</u>
CIVE	440 ^P	Nonpoint Source Pollution	3
CIVE	520^P	Physical Hydrology	3
CIVE	531^P	Groundwater Hydrology	3
CIVE	544 ^P	Water Resources Planning and Management	3
CIVE	545 ^P	Management and Monitoring of Water Quality	3
CIVE	613 ^P	<u>Stream Rehabilitation Design</u>	<u>3</u>
CIVE	623 ^P	<u>Water Quality Hydrology</u>	<u>3</u>
FW	521 ^P	<u>Fish Habitat Management</u>	<u>3</u>
FW	540 ^P	<u>Fisheries Ecology</u>	<u>3</u>
GEOL	452 ^P	<u>Hydrogeology</u>	<u>4</u>
GR	342	Geography of Water Resources	3
SOCR	442	Forest and Range Soils	3
SOC	664 ^P	<u>Sociology of Water Resources</u>	<u>3</u>
SOCR	522 ^P	<u>Plant Canopy Meteorology</u>	<u>3</u>
WR	406 ^P	<u>Seasonal Snow Environments</u>	<u>3</u>
WR	416 ^P	Land Use Hydrology	3
WR	417 ^P	Watershed Measurements	3
WR	418 ^P	Land Use and Water Quality	3
WR	419 ^P	<u>Water Quality Laboratory for Wildland Managers</u>	<u>2</u>
WR	420 ^P	Watershed Field Practicum	2
WR	440 ^P	Watershed Problem Analysis	3
WR	474 ^P	Snow Hydrology	3
WR	510 ^P	Watershed Management in Developing Countries	2
WR	574 ^P	<u>Advanced Snow Hydrology</u>	<u>4</u>
WR	575 ^P	<u>Snow Hydrology Field Methods</u>	<u>1</u>
WR	674 ^P	<u>Data Issues in Hydrology</u>	<u>3</u>
WR	714^P	Water Quality for Wildland Managers	3

^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.

⁺ This course is offered only through the Division of Continuing Education. F 489A also has a prerequisite of STAT 201.

Request to Offer Experimental Course for a Third Semester

A request by the Department of Mathematics to offer MATH 281A1, Introduction to Mathematical Reasoning, for a third time as an experimental course, was approved. The third offering will be in Fall Semester 2009.

Request to Add Minimum Grade Requirement for the Environmental Sociology Concentration

A request by the Department of Sociology to add a minimum grade requirement for sociology majors in the environmental sociology concentration was approved. The new requirement will read as follows:

Sociology majors in the environmental sociology concentration must achieve a minimum grade of C- (1.67) in each sociology course counted toward the concentration, and in each course that carries the ANTH, NR, or POLS prefix, if these courses are counted toward the concentration.

The recommended effective date, subject to special action by Faculty Council, is Fall Semester 2009.

Request to Add Plan B to Master's Degree

A request by the Department of Design and Merchandising to add a Plan B (professional paper) to the interior design specialization under the Master of Science degree in design and merchandising was approved. The effective date, subject to special action by Faculty Council, is Spring Semester 2010.

UCC Review of CSU-Global's Management Program

UCC voted to concur with CoSRGE's approval of the motion to provide assurance for the MS in Management program with the caveats put forward by COB and the previous UCC requirements.

The motion approved by CoSRGE read as follows:

"CoSRGE will approve that the Provost may provide assurance to CCHE, based on the College of Business recommendations and terms, that instruction offered for credit in the MS in Management program has academic requirements and standards comparable to credit-bearing courses and programs offered at CSU-Fort Collins."

The meeting adjourned at 4:10 p.m.

(FC) 4/20/09

Carole Makela, Chair
Tom Hoehn, Secretary