

CANR Curricula and Courses Committee
Meeting Minutes - Final
October 3, 2014

I. The meeting was called to order at 1:21 pm by Chair Mike Darre.

Members present: Denise Anamani (for Sue Gregoire), Rhonda Brownbill, Mike Darre, Sal Frasca, Patricia Jepson, Deepak Joglekar, Gary Kazmer, Tom Meyer, and Denise Ward, Guests: Michael Copenhaver, Valerie Duffy from AHS, Rigoberto Lopez from ARE and Sara Tremblay from EVST. We welcomed Denise Ward to the committee from Kinesiology.

II. Old Business:

A. ADD: NRE 3xxx Sustainable Urban Ecosystems (3 credits). Moved by Harrison, Seconded by Gary. MOTION TABLED CAHNR CC 14-15-13.

Revised submission:

ADD: NRE 4695 Special Topics: Sustainable Urban Ecosystems CAHNR CC 14-15-13A

Moved to remove from table by Tom, seconded by Sal.

NRE 4695 Special Topics: Sustainable Urban Ecosystems (298) (Formerly offered as NRME 4695.) Three credits.

Recommended preparation: prior coursework in environmental conservation. Prerequisite: open to juniors or higher; open only with consent of instructor. *Morzillo*

Students will evaluate the state of the knowledge about natural resources in urban systems.

Materials will be presented from the perspectives of natural science and social science, and

portray the complexity of managing ecosystems in and in relation to urban environments.

MOTION PASSED CAHNR CC 14-15-13A First time offering.

B. Electronic CAR form ready for CANR testing. Discussion of attempts to use the new form and critique. Review the form again.

III. New Business:

A. The Department of Allied Health Sciences proposed the following:

1. ADD: Ph.D. program in Health Promotion Sciences. Effective Fall 2015

Moved by Denise A., seconded by Gary.

The four-year PhD in Health Promotion Sciences is an advanced, applied and research-oriented degree based on synergy between major areas—behavioral and environmental change interventions, diet and physical activity across the lifespan, genetics/diagnostics and statistical modeling sciences—to promote health and prevent diseases in a variety of settings and for diverse individuals. Doctoral students in this program acquire the knowledge and skills to advance our understanding of the role of behavioral, social and environmental influences in chronic diseases and conditions and to apply the principles and practices of health promotion and health behavior to create innovative solutions for current and emerging health challenges.

Table 2. Typical sequence of coursework to complete a PhD in Health Promotion Sciences

Fall 1	Spring 2
Critical Issues in Health Promotion, Disease and Disability Prevention	Research Methods in Allied Health
Design and Implementing Health Promotion	Design and Implementing Health Promotion

Programs
Biostatistics for Health Professions

Graduate seminar in Health Promotion Research *

Fall 3

Graduate seminar in Health Promotion Research *
Ethical considerations in genetics research and testing
Experiential Learning in Health Promotion Research II*
Related Cognate

Fall 5

Graduate seminar in Health Promotion Research *
General Exam
Dissertation prep

Fall 7

Dissertation prep

Programs
Experiential Learning in Health Promotion Research I*

Spring 4

Graduate seminar in Health Promotion Research*
Multilevel Mediation-Moderation Modeling for Health Sciences
Related Cognate

Spring 6

Developing Grant Proposal

Dissertation prep

Spring 8

Doctoral Defense and final approvals

Documentation for the Ph.D. program is being forwarded to the provost and graduate school for additional approvals then to the BOT for their approval.

MOTION PASSED, CAHNR CC 14-15-14.

B. The Department of Agriculture and Resources Economics proposed the following:

1. ADD: ARE 5150 Microeconomic Foundations for Sustainability. Effective fall 2015.

Moved by Deepak , seconded by Sal.

Proposed Catalog Copy:

ARE 5150 Microeconomic Foundations for Sustainability. Three credits.
Theory and tools of microeconomic foundations for sustainable development.
Intermediate understanding of applied microeconomics and practicing quantitative techniques for application to economic issues using electronic spread sheets.

MOTION PASSED (with revisions as noted to be applied to the graduate school course transmittal form) CAHNR CC 14-15-15.

2. ADD: ARE ~~5201~~ 5211 Quantitative Analysis for Sustainable Development. Effective fall 2015.

Moved by Deepak, seconded by Gary.

Proposed Catalog Copy:

ARE ~~5201~~ 5211 Quantitative Analysis for Sustainable Development. Three credits.
Quantitative methods used in the analysis of problems related to sustainable economic development with a focus on agriculture, natural resources, and the environment.
Regression analysis, economic impact analysis, feasibility studies, enterprise budgets, and survey methods.

MOTION PASSED (with revisions as noted to be applied to the graduate school course transmittal form) CAHNR CC 14-15-16.

3. ADD: ARE 5215 Sustainable Business Management. Effective fall 2015.

Moved by Deepak, seconded by Gary.

Proposed Catalog Copy

ARE 5215 Sustainable Business Management. Three credits.
Principles of management strategy with a focus in agribusiness. Marketing, financial and human resource management as well as budgeting techniques and the legal and organizational structure of businesses from the perspective of sustainability.

NOTE: The grading scheme in the syllabus needs to be corrected under the paragraph heading Homework Assignments from 30% to 25%

MOTION PASSED (with revisions as noted to be applied to the graduate school course transmittal form) CAHNR CC 14-15-17.

4. ADD: ARE 5991 Experiential Learning Capstone. Effective summer 2016

Moved by Deepak, seconded by Gary.

There was a lengthy discussion about whether this course is experiential learning, or service learning or an internship. It was decided that the department needed to further evaluate the course, how it would be graded, and how service or experiential learning would be accomplished .

Gary moved to Table and it was seconded by Denise W.

MOTION TABLED CAHNR CC 14-15-18.

5. ADD: A Masters Degree program in Sustainable Economic Development. Effective fall 2015 Moved by Rigoberto and seconded by Gary.

Requirements

Admission will be based on indicators of scholastic achievement such as grade point average, leadership qualities, background and experience, letters of recommendation, and a personal interest statement. Applicants will be expected to show prior training in economics by having taken courses at the intermediate level in economic theory, statistics, and calculus. Applicants are subject to Graduate School admissions requirements.

Minimum Credit Hours: 27.

Foundation 1: Agricultural and Resource Economics: 12 credits

Required: 9 credits

ARE 5150* Microeconomic Foundations for Sustainability*

ARE 5201* Quantitative Analysis for Sustainable Development*

ARE 5215* Sustainable Business Management*

Electives: 3 credits from the following:

ARE 5462 Benefit-Cost Analysis in the Food and Resource Industries

ARE 4438 Valuing the Environment

Foundation 2: Economic Development: 12 credits

Required: 6 credits

ARE 5305 The Role of Agriculture and Natural Resources in Economic Development

ARE 5xxx Any suitable 4000 or 5000 level ARE course

Electives: 6 credits.

One of the following (3 credits):

GEOG 5500 Fundamentals of GIS

NRE 5575 Natural Resource Applications of GIS

One of the following (3 credits):

Social Sciences: DARE and other CAHNR Departments, Economics, Geography, Political Science, and Public Policy.

Natural Sciences: Ecology and Evolutionary Biology, Civil & Environmental Engineering, any from CANR departments, and Marine Sciences.

Foundation 3: Service-Learning: 3 credits (3 months)

ARE 599X Capstone Internship/Experiential Learning *

Based upon the advisor's approval of a experiential-learning contract, field work with a sponsoring organization.

Note: * Courses approved by ARE faculty on 9/18/14, CAHNR NRE 5575 and GEOG 5500 approved as electives

by respective Department Heads. Program approved unanimously by the ARE faculty on 9/5/14.

MOTION PASSED PENDING APPROVAL OF ARE 599X CAHNR CC 14-15-19

6. ADD: ARE 6464 (Experimental Methods for Program Evaluation). Effective fall 2015

Moved by Rigoberto, seconded by Gary.

Catalog Description was missing and syllabus topic outline was vague.

Rhonda moved to table, seconded by Tom

MOTION TABLED CAHNR CC 14-15-20

C. Pathobiology and Veterinary Science

1. ADD:PVS 3095 Special Topics: Ebola-Perspectives on an Emerging Infectious Disease. Effective Spring 2015 Moved by Sal, seconded by Gary.

Proposed Catalog Copy:

PVS3095. Special Topic: Ebola-Perspectives on an Emerging Infectious Disease. One credit.

Prerequisite: none.

Epidemiologic, pathobiological, public health, and socioeconomic perspectives that concern Ebola as an emerging infectious disease are discussed.

Note: everyone thought this would be an interesting course and very relevant.

MOTION PASSED CAHNR CC 14-15-21

D. Environmental Studies

1. REVISE: Environmental Studies Major- Add additional core courses to the major. Effective Spring 2015 Moved by Sara, seconded by Gary.

Existing Catalog Description of Major

Environmental Studies

The Environmental Studies major is an interdisciplinary program designed to provide students with the knowledge, skills, and perspectives needed to understand the interactions between human society and the environment. Understanding the ethical and cultural dimensions of our relationship with the environment, as well as the challenges of protecting it, requires insights from multiple perspectives, including the humanities, the social sciences, and the natural sciences. Core courses in the major ensure familiarity with basic principles from these three areas. With this shared core of knowledge, majors will focus their studies on an area of special interest, taking electives and related courses that allow greater specialization. Among the many possibilities are environmental sustainability, issues concerning public policy and environmental justice, and the literary and philosophical legacy of human encounters with the non-human world. A capstone course will allow each student to research a distinct perspective on a contemporary

environmental issue. A major in Environmental Studies might lead to a career in a variety of fields, including public policy, environmental education, eco-tourism, marketing or consulting, journalism, or advocacy.

The major leads to a Bachelor of Arts degree in the College of Liberal Arts and Sciences (CLAS) or the College of Agriculture, Health and Natural Resources (CANR). The student's choice of colleges should be made in consultation with faculty and advisors based upon the student's interests and career goals.

Requirements:

Introductory Courses. *All majors must take three introductory courses:*

[EVST 1000](#)

[NRE 1000](#), [GEOG 2300](#), [GSCI 1050](#) or [GSCI 1051](#)

[BIOL 1102](#) or, for those seeking a more advanced background, [BIOL 1108](#).

Core Courses (18 credits). *All majors must take 2 of the following courses from each core:*

Humanities Core [PHIL 3216](#); [HIST 3540](#); [ENGL 3240](#)

Social Sciences Core [ARE 3434](#); [NRE 3245](#); [POLS 3412](#)

Natural Science Core [EEB 2208](#), [GEOG 3400](#), [AH 3175](#), [GSCI 3010](#); [NRE 4170](#)

EVST 4000W: Capstone Research Project (3 credits). All majors must complete a capstone research project, which fulfills the Writing in the Major and the Information Literacy requirements for the major.

Additional requirements for the major

In addition, environmental studies majors in CAHNR must take an additional 15 credits of courses at the 2000-level or above to meet the 36-credit major requirement. These courses must be designed to form a coherent set of additional courses that will provide the student with a focus or additional depth in an area of interest related to the major. They must be chosen in consultation with the student's faculty advisor and be approved by the advisor. Courses listed above that are not used to meet the core requirements may be used to meet this requirement.

Other areas of recommended preparation (not required)

Physical Science: [CHEM 1122](#), [CHEM 1127Q](#); [PHYS 1030Q/1035Q](#) Earth Science: [GSCI/GEOG 1070](#); [MARN 1002/1003](#) Economics: [ARE 1110](#), [1150](#); [ECON 1179](#), [1200](#), [1201](#) Statistics: [STAT 1000Q](#), [1100Q](#)

Note: A B.A. in Environmental Studies can also be earned through the College of Liberal Arts and Sciences. For a complete description of the major in that college, refer to the [Environmental Studies](#) description in the "College of Liberal Arts and Sciences" section of this Catalog.

Proposed Catalog Description of Major (newly added courses highlighted in yellow) Environmental Studies

The Environmental Studies major is an interdisciplinary program designed to provide students with the knowledge, skills, and perspectives needed to understand the interactions between human society and the environment. Understanding the ethical and cultural dimensions of our relationship with the environment, as well as the challenges of protecting it, requires insights

from multiple perspectives, including the humanities, the social sciences, and the natural sciences. Core courses in the major ensure familiarity with basic principles from these three areas. With this shared core of knowledge, majors will focus their studies on an area of special interest, taking electives and related courses that allow greater specialization. Among the many possibilities are environmental sustainability, issues concerning public policy and environmental justice, and the literary and philosophical legacy of human encounters with the non-human world. A capstone course will allow each student to research a distinct perspective on a contemporary environmental issue. A major in Environmental Studies might lead to a career in a variety of fields, including public policy, environmental education, eco-tourism, marketing or consulting, journalism, or advocacy.

The major leads to a Bachelor of Arts degree in the College of Liberal Arts and Sciences (CLAS) or the College of Agriculture, Health and Natural Resources (CANR). The student's choice of colleges should be made in consultation with faculty and advisors based upon the student's interests and career goals.

Requirements:

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[EVST 1000](#)

[NRE 1000](#), [GEOG 2300](#), [GSCI 1050](#) or [GSCI 1051](#)

[BIOL 1102](#) or, for those seeking a more advanced background, [BIOL 1108](#).

Core Courses (18 credits). *All majors must take 2 of the following courses from each core. Students cannot apply more than one course per department to count within a particular core. Additional core courses taken in the same department can be applied to the additional major requirements beyond the core requirements.*

Humanities Core [PHIL 3216](#); [HIST 3540](#) or [HIST 3542](#); [ENGL 3240](#) or [ENGL 3715](#) or [JOUR 3046](#)

Social Sciences Core [ARE 3434](#) or [ARE 4462](#) or [ECON 3466](#); [NRE 3245](#); [NRE 3246](#); [POLS 3412](#)

Natural Science Core [EEB 2208](#), [GEOG 3400](#), [AH 3175](#), [GSCI 3010](#); [NRE 4170](#)

**[EVST 4000W](#): Capstone
Research Project (3 credits).**

All majors must complete a capstone research project, which fulfills the Writing in the Major and the Information Literacy requirements for the major.

Additional requirements for the major

In addition, environmental studies majors in CAHNR must take an additional 15 credits of courses at the 2000-level or above to meet the 36-credit major requirement. These courses must be designed to form a coherent set of additional courses that will provide the student with a focus or additional depth in an area of interest related to the major. They must be chosen in consultation with the student's faculty advisor and be approved by the advisor. Courses listed above that are not used to meet the core requirements may be used to meet this requirement.

Other areas of recommended preparation (not required)

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Note: A B.A. in Environmental Studies can also be earned through the College of Liberal Arts and Sciences. For a complete description of the major in that college, refer to the [Environmental Studies](#) description in the "College of Liberal Arts and Sciences" section of this Catalog.

MOTION PASSED CANR CC 14-15-22

IV. Report from Academic Programs: None

V. Other Business:? None

VI. Time and Place of next meeting. October 17, 2014. 1:15 pm WBY 209

VII. The meeting was adjourned at 3:27 pm.