

COLLEGE OF AGRICULTURE AND NATURAL RESOURCES
CURRICULA AND COURSES COMMITTEE

Minutes

March 6, 2009

I. The meeting was called to order at 2:05 pm. Members present: Marilyn Altobello, Dick Clark, Mike Darre, Cameron Faustman, Sal Frasca, Susan Gregoire, Pat Jepson, and Gary Kazmer. Mark Brand sat in for George Elliott and Mark Rudnicki sat in for Morty Ortega. Guest : Paul Bureau from OSH

II. The Minutes of February 6, 2009 were approved.

III. Old Business:

A. The Pre-Teaching Ag Sciences proposal and form were approved.

(Rationale for Adding “Pre-Teaching Ag Sciences” as an option in the College of Agriculture and Natural Resources)

The College of Agriculture and Natural Resources (UAGNR) has been working to increase visibility of the Agriculture Education (Ag Ed) programs (IB/M and TCPCG) in the Neag School of Education (NSoE). We recognize the importance of early identification of potential Ag Ed students to facilitate advising and preparation for admission into Neag. While there is a need to provide more identity to Ag Ed (especially for first and second year students) in a manner similar to “Pre-Teaching” for other subject areas, there is an equally important need to keep students connected with their major (and content area) in UAGNR.

Undergraduates who enter the University of Connecticut with a potential interest in teaching Agricultural Science & Technology (formerly Vocational Agriculture) in secondary schools begin their UConn careers by selecting a major in the College of Agriculture of Natural Resources. During orientation and/or advising, we discuss career goals and provide information about Agricultural Education to those who are interested. It is essential that these students make satisfactory progress toward graduation requirements in their major, while they are also preparing to apply for teacher preparation programs in the Neag School of Education. Therefore, students are enrolled in UAGNR, rather than ACES/Pre-Teaching.

After discussing various options with the Neag School of Education and the Registrar’s office, we are requesting a new *Plan* (major) titled “Pre-Teaching Ag Sciences” (code: PreTeachAG) as a designated option for UAGNR students. *Pre-Teaching Ag Sciences* will be secondary to a student’s official major, and it will be a temporary (i.e. non-graduation) code to indicate interest in Ag Ed. For the purpose of tracking, these students will be coded as Additional Degree students, but ***PreTeachAg is not a graduation major.*** Student records will show both Plans until they are admitted to Neag or they decide they are no longer interested in Ag Education.

CANRCC 08-09-92

B. Study Abroad Programs – Cameron Faustman stated that it was a good thing to get started early if you wish to participate in Study Abroad courses. It takes about two years to get things set.

IV. New Business:

A. Allied Health Sciences Business: It was moved to approve the following course or curricula changes submitted by Allied Health Sciences:

1. Add: Occupational Safety and Health Concentration within the AHS major

Catalog information:

Concentration in Occupational Safety and Health (OSH): Students with an interest in acquiring knowledge about occupational safety and health issues or applying to marketable skills in a broad range of work environments such as manufacturing, construction, health care, research and development, and academia among many others, should consider this concentration. OSH specialists identify, assist in the prevention and control of health and safety hazards related to work and the work environment, OSH specialists promote health and safety within organizations by developing safer, healthier, and more efficient ways of working. For those students wishing to pursue a career in OSH, the concentration provides a foundation for professional certification in individual disciplines such as occupational safety, industrial hygiene and ergonomics.

Required courses in basic sciences and mathematics:

Allied Health Sciences with Occupational Safety and Health concentration:

BIOL 1107; CHEM 1124Q or 1127Q; CHEM 1125Q or 1128Q; MATH 1060Q or 1125Q or higher; NRE 1000; PHYS 1010Q; PSYC 1100, 1101 or 1103; **STAT 1000Q or 1100Q; and two (2) additional science courses approved by the Department of Allied Health Sciences (required science courses cannot also be used to meet the science electives; CHEM 1126Q and/or CHEM 2241 suggested).**

Writing in the major: AH 4221W or AH 4241W

Allied Health Sciences with Occupational Safety and Health concentration:

Group A: A-1: AH 2001, 4221W or 4241W; **A-2** all of the following: AH 3570, 3571 and 3573; **A-3:** Two of the following courses: AH 3175, 3275, 3574. Other courses may be used to meet this requirement pending advisor and department head approval.

FALL	YEAR ONE		SPRING
CHEM 1124Q or 1127Q	4	CHEM 1125Q or 1128Q	3-4
MATH 1060Q or 1125Q or above	3-4	PSYC 1101 or 1103 (general education – CA 2)	3-4
PSYC 1100	3	General Education	3
ENGL 1010 or 1011	4	General Education	3
INTD 1800 (FYE) (strongly recommended)	(1)	General Education	3
	14-16		15-17
	(i)	<i>YEAR TWO</i>	
Sciences Elective^f (suggest CHEM 1126Q or 2241)	3-4	Sciences Elective^f	3-4
BIOL 1107	4	PHYS 1010Q	4
STAT 1000Q or 1100Q	4	General Education	3
NRE 1000	3	General Education	3
	14-15	AH 2001	1
			14-15
	V.	YEAR THREE	
AH major*	3	AH major*	3
AH major*	3	AH major*	3
Related Cognate*^f	3-4	Related Cognate*^f	3-4
Elective#	3	Elective#	3
Elective#	3	Elective#	3
	15-16		15-16

YEAR FOUR

AH major*	3	AH major*	3
Related Cognate*^f	3-4	Related Cognate*^f	3-4
Related Cognate*^f	3-4	Related Cognate*^f	3-4
Elective#	3	Elective#	3
Elective#	3	Elective#	3
	15-17		15-17

Motion Passed CANRCC 08-09-82

2. Revise: AH 3174: Drop prerequisite of GEOC science requirements or permission of instructor.

Current Title and Catalog Copy:

AH 3174. Environmental Laws, Regulations and Issues (Also offered as OSH 3174.) Either semester. Three credits. Prerequisite: General Education Science requirements or permission of the instructor; open only to BGS and Allied Health Sciences majors, others with consent. Overview of the history and framework of federal environmental legislation to protect the environment along with environmental issues, laws and regulations associated with industrial operations.

Revised Title and Catalog Copy:

AH 3174. Environmental Laws, Regulations and Issues (Also offered as OSH 3174.) Either semester. Three credits. Prerequisite: open only to BGS and Allied Health Sciences/OSH concentration majors juniors and higher; others with consent. Overview of the history and framework of federal environmental legislation to protect the environment along with environmental issues, laws and regulations associated with industrial operations.

Motion Passed CANRCC 08-09-83

3. Revise: AH 3270: Drop prerequisite of GEOC science requirements or permission of instructor

Current Title and Catalog Copy:

AH 3270. Fire Prevention and Protection (Also offered as OSH 3270.) Either semester. Three credits. Prerequisite: AH/OSH 3570 and General Education Science requirements or permission of the instructor; open only to BGS and Allied Health Sciences majors, others with consent. Knowledge needed to control and prevent fire in the workplace, and life safety requirements.

Revised Title and Catalog Copy:

AH 3270. Fire Prevention and Protection (Also offered as OSH 3270.) Either semester. Three credits. Prerequisite: AH 3570 or OSH 3570; open only to BGS and Allied Health Sciences/OSH concentration majors juniors and above; others with consent. Knowledge needed to control and prevent fire in the workplace, and life safety requirements.

Motion Passed CANRCC 08-09-84

4. Revise: AH 4291: Drop prerequisite of six AH/OSH courses and permission of faculty coordinator.

Current Title and Catalog Copy:

AH 4291. OSH Internship (Also offered as OSH 4291.) Either semester. Three credits. Prerequisite: Completion of required six AH/ OSH courses or permission of faculty coordinator; open only to BGS and Allied Health Sciences majors; others with consent.

Application of the principles and concepts of hazard assessment and safety management to an actual workplace under the supervision of an approved onsite supervisor. A minimum of 120 hours to be spent at the workplace and completion of a written project report.

Revised Title and Catalog Copy:

AH 4291. OSH Internship (Also offered as OSH 4291.) Either semester. Three credits.

Prerequisite: Open only to BGS and Allied Health Sciences/OSH concentration majors juniors and above; others with consent.

Application of the principles and concepts of hazard assessment and safety management to an actual workplace under the supervision of an approved onsite supervisor. A minimum of 120 hours to be spent at the workplace and completion of a written project report.

Motion Passed CANRCC 08-09-85

5. Revise: AH 4570: Drop prerequisite of GEOC science requirements.

Current Title and Catalog Copy:

AH 4570. Pollution Control, Prevention and Environmental Management Systems (Also offered as OSH 4570.) Either semester. Three credits. Prerequisite: AH/OSH 3570; completion of General Education Science requirements or permission of the instructor; open only to BGS and Allied Health Sciences majors; others with consent.

Basic knowledge of environmental management systems, and techniques in controlling and preventing pollution from industrial activities.

Revised Title and Catalog Copy:

AH 4570. Pollution Control, Prevention and Environmental Management Systems (Also offered as OSH 4570.) Either semester. Three credits. Prerequisite: AH 3570 or OSH 3570; open only to BGS and Allied Health Sciences/OSH concentration majors juniors and higher; others with consent.

Basic knowledge of environmental management systems, and techniques in controlling and preventing pollution from industrial activities

Motion Passed CANRCC 08-09-86

6. Add: Certificate Program in Medical Technology.

University of Connecticut

Department of Allied Health Sciences

Certificate Program in Medical Technology Plan of Study

Admission Requirements

The student must have a baccalaureate degree from a regionally accredited college/university and must meet specified course prerequisites and academic standards. The pre-requisites include courses in:

- General Chemistry (2 semesters)
- Organic Chemistry
- Biochemistry
- Microbiology
- Genetics
- Immunology
- Statistics
- Mathematics (pre-calculus or higher)
- Medical Terminology

Applicants who have not fulfilled the required prerequisite course work must complete any unmet requirements prior to the final two semesters in the program. To be competitive, students will be expected to have a total GPA of 2.8 or better.

Plan of Study

The following courses must be completed before the student can begin the clinical affiliation at Hartford Hospital:

AH 4241W	Research	3 cr.
AH 4244	Management	3 cr.
MT 3361	Molecular Techniques	2 cr.
MT 3301	Basic Laboratory Techniques	1 cr.
*MT 3333	Infectious Disease Process II	2 cr.
*MT 3365	Theory of Phlebotomy	<u>1 cr.</u>
Total		12 cr.

*These courses are taught at the Hartford Hospital campus.

The following courses are part of the clinical affiliation at Hartford Hospital. The clinical affiliation is a 52 week program beginning in January or June each year.

MT 4301	Clinical Chemistry and Instrumentation	5 cr.
MT 4366	Phlebotomy Lab	1 cr.
MT 4321	Clinical Immunology and Virology	3 cr.
MT 4311	Hematology	3 cr.
MT 4341	Clinical Microbiology	4 cr.
MT 4351	Transfusion Services	2 cr.
MT 4371	Urinalysis	1 cr.
MT 4302	Clinical Chemistry Lab	3 cr.
MT 4342	Clinical Microbiology Lab	4 cr.
MT 4322	Clinical Immunology Lab	1 cr.
MT 4372	Urinalysis Lab	1 cr.
MT 4312	Hematology Lab	3 cr.
MT 4352	Transfusion Services Lab	2 cr.
MT 4094W	Seminar in Medical Technology	<u>2 cr.</u>
Total		35 cr.

To be eligible for the MT Certificate, students must complete each course listed above with a grade of "C" or better and finish the program with a cumulative GPA of 2.2 or higher.

National Certification Examination

Upon completion of the program, students will be eligible to sit for the certification examination administered by the National Credentialing Agency for Medical Laboratory Personnel (NCA) or the American Society of Clinical Pathologists (ASCP).

Motion Passed CANRCC 08-09-87

B. Plant Science Business: It was moved to approve the following course or curricula changes submitted by Plant Science:

1. Add: LAND 3510. European Urban Form and Materials – Suggested to change the lecture/lab to lecture/ discussion and provide more detail on where they will actually visit. See NRE 3305 and 3355 for examples.

Motion to table discussion and return to PLSC for consideration of suggested changes passed. CANRCC 08-09-88

2. Add: PLSC 5252 Physiology and Ecology of Trees (Cross list with NRE 5252)
Catalog Copy:

An examination of the interactions between trees and their environment at the molecular, individual and forest stand scales. Lectures and reviews of current research span at least

two spatial scales of organization for each course topic. Course topics include tree carbon balance, water relations, mineral nutrition, morphology, genomics, phenology, climate change and modeling.

Motion Passed for approval and crosslisting as PLSC 5252/NRE 5252.
CANRCC 08-09-89

C. Natural Resources and Environment Business It was moved to approve the following course or curricula changes submitted by Natural Resources and Environment:

1. Revise: NRE 3535 Introductory Remote Sensing. (title change and mode of teaching)

Current Title and Catalog Copy: 3535. Introductory Remote Sensing

(237) First semester. Three credits. Two class periods and one 2-hour laboratory period. Open to only CANR students and GEOG major. Civco

The principles of the interpretation of remote sensing imagery acquired from aircraft and satellite platforms will be studied. Various applications of remote sensing will be discussed.

Revised Title and Catalog Copy:

3535. Remote Sensing of the Environment.

(237) First semester. Three credits. Three class periods. Recommended preparation: NRE 2000 Introduction to Geomatics or equivalent. Open only to junior or higher. Civco

The principles of the interpretation of remote sensing imagery acquired from aircraft and satellite platforms will be studied. Applications of remote sensing to natural resources and the environment will be discussed.

Motion Passed CANRCC 08-09-90

2. Revise: NRE 4600 Current Topics in Environmental and Natural Resources (Add honors section and change credits to variable credits)

NO action was taken on this course. It was returned for clarification. The catalog description needed to set up an honors section for 3 credits and a regular section for two credits.

3. Add: NRE 5252 Physiology and Ecology of Trees (Cross list with PLSC 5252)
Same as CANRCC 08-09-89

4. Revise: NRE 5585 Geospatial Data Processing Techniques (change in catalog copy)

Current Catalog Copy:

Research approaches and techniques in geospatial analysis, enabling students to pursue integrated research in earth resources data geoprocessing applications. A variety of computer-based tools, including remote sensing, geographic information systems (GIS), and global positioning satellite (GPS) will be utilized in the acquisition, analysis and presentation of digital earth resources data and information.

Revised Catalog Copy:

Automation of geospatial data processing with ArcGIS will be covered. Proficiency will be developed with ModelBuilder and with Python scripting. The focus will be on automating geoprocessing in ArcGIS but scripting with Microsoft Excel and Access will also be covered.

Motion Passed CANRCC 08-09-91

VI. **Report from Academic Programs.** The decision to accept double dipping of courses for Minors in CANR was discussed and departments are reminded that they have to option to remove the restriction at any time they find it necessary.

VII. **Adjourn:** Meeting was Adjourned at 4:27 pm. The next meeting will be on Friday, April 3, 2009 at 2 pm in WBY 207-208.