

CANR Curricula and Courses Committee
Meeting Minutes
September 17, 2010

I. Call to order: The meeting was called to order at 2:10 by Committee Chair Mike Darre. Members present were Marilyn Altobello, Rhonda Brownbill, Mike Darre, George Elliott, Cameron Faustman, Susan Gregoire, Pat Jepson, Gary Kazmer and Mark Rudnicki. Paulo Verardi sat in for Sal Frasca. Guests: Katie Upson and Colby Langweiler from OAP.

II. The minutes of April 16, 2010 were approved as distributed.

III. Katie Upson from Academic Programs office wanted to inform us of proposed changes to the residence requirement for students (See attachment 1) Basically it has been proposed to remove the restriction on the students having to complete their last two semesters at UConn and that they must earn at least 30 credits in residence. It is proposed to change the in-residence requirement from 30 to 45 credits, but not when they must do this.

III. Old Business:

A. Pat Jepson brought up the issue about students getting/taking 2Q and 2 Science courses as a CANR requirement as well as a University General Education requirement.

B. It has been proposed to Drop the Aquaculture Minor. CLAS has approved the proposal. We are awaiting approval from ANSC and ARE to drop the minor, since they both have courses listed.

IV. New Business

A. Discussion of how CANR CC reviews special topics classes/sections. This was brought up because a special topics course for the fall needed approval in order for other things to move forward. The By-Laws and General Guidelines of the CANC C&CC state:

I. Responsibilities of the committee:

C. The committee shall review all experimental course offerings (xx85 and xx95) and note if they are first or second time offerings.

II. GENERAL GUIDELINES

A. GENERAL INFORMATION

The CANR Committee on Curricula and Courses is responsible for reviewing all courses and curricula changes submitted by the departments of the college, including special topics/experimental courses (xx85 or xx95), both undergraduate and graduate. Graduate courses require academic unit and school/college approvals per request of the graduate school. (See Guide to Graduate Course Creation and Modification, # 18, Approval Record)

This clearly states that the CANR C&CC will review all courses including special topics/experimental before they are to be offered. However the committee agreed that if special case comes up where a special topics course needs review prior to a regular meeting, then an exception to electronic reviewing and voting will be made.

B. Allied Health – Allied Health Moved to Approve the Following Actions:

1. Add: AH 4240W: Writing for Allied Health Research. Effective Fall 2011

New catalog copy:

4240W. Writing for Allied Health Research.

Either semester. One credit. One hour of Lecture/Discussion. Prerequisite: ENGL 1010 or 1011 or 3800; a course in statistics. Prerequisite or concurrent enrollment in AH 4241 is required. Open only to Allied Health Sciences majors; others with consent of instructor; open to juniors or higher. Not open to students who have passed AH 4241W.

Hands-on writing experiences to develop and improve scientific writing skills through completion of a scientific research proposal. Students will provide peer review and feedback of each other's writing assignments. Feedback provided by the instructor(s) and peers will be used to help each student revise and resubmit each assignment.

CANR CC 10-11-01 Motion Passed (Must be submitted by department to GEOC for approval)

2. Revise: AH 4241: Research for the Health Professional. Effective Fall 2011

Current Title and Catalog Copy:

4241. Research for the Health Professional

(241) Either semester. Three credits. Three hours of lecture. Prerequisite: A course in statistics; open only to Allied Health Sciences, Dietetics, Diagnostic Genetic Sciences and Medical Technology majors; others with consent of instructor; open to juniors or higher.

Research questions/hypothesis, finding and using research literature, ethical considerations, research design, sampling, measurement, reliability and validity, descriptive and inferential statistics, computer analysis of data, evaluating research, reviews of literature and proposals

Revised Title and Catalog Copy: (*change credits, lecture hours, add concurrent enrollment*)

4241. Research for the Health Professional

Either semester. **Two** credits. **Two** hours of lecture. Prerequisite: A course in statistics; open only to Allied Health

Sciences, Dietetics, Diagnostic Genetic Sciences and Medical Technology majors; others with consent of instructor; open to juniors or higher. **Concurrent enrollment in AH 4240W is required of Allied Health Sciences majors only.**

Research questions/hypothesis, finding and using research literature, ethical considerations, research design, sampling, measurement, reliability and validity, descriptive and inferential statistics, computer analysis of data, evaluating research, reviews of literature and proposals

CANR CC 10-11-02 Motion Passed

3. Drop: AH 4241W: Research for the Health Professional. Effective Fall 2011

Rationale: This course is being reconfigured to better serve all AHS students. We are proposing a separate 2-credit lecture course on Research Methods required for all AHS majors including

those in the AHS professional programs and a separate 1-credit W course only required for regular AHS majors (non-professional program students). This arrangement would allow us to avoid duplicating the W component course requirement among the AHS professional program students as is currently the case while continuing to provide the required research-oriented coursework across all AHS students. These changes would streamline the administration of this course overall and would provide more appropriate and beneficial coursework for all AHS students.

CANR CC 10-11-03 Motion Passed (This must be sent by the department to GEOC for approval)

4. Revise: MT 3130 Infectious Disease Process I. Effective Spring 2011?

Current Title and Catalog Copy:

MT 3130 Infectious Disease Process 1

First semester. Three credits. Two 1 1/2 hour lectures. Prerequisite: CHEM 2241 or 2243 or MCB 2000 or 3010 which may be taken concurrently. Open only to medical Technology majors, others with the consent of Medical technology Program Director.

Fundamentals of microbial classification, structure, growth and metabolism. Principles of disease, epidemiology, mechanisms of pathogenicity and identification of bacteria and viruses causing human disease.

Revised Title and Catalog Copy: **(name change)**

MT 3130 **Introduction to Clinical Microbiology**

First semester. Three credits. Two 1 1/2 hour lectures. Prerequisite: CHEM 2241 or 2243 or MCB 2000 or 3010 which may be taken concurrently. Open only to medical Technology majors, others with the consent of Medical technology Program Director.

Fundamentals of microbial classification, structure, growth and metabolism. Principles of disease, epidemiology, mechanisms of pathogenicity and identification of bacteria and viruses causing human disease.

CANR CC 10-11-04 Motion Passed (Effective date may change)

5. Revise: MT 3132 Laboratory for Infectious Disease Process I. Effective Spring 2011

Current Title and Catalog Copy:

MT 3132 Laboratory for Infectious Disease Process I

First semester. One credit. One 2-hour and one 1-hour laboratories per week. Prerequisite: MT 3130 which must be taken concurrently. Open only to Medical Technology majors.

Laboratory exercises that teach fundamentals of microbial structure, growth and metabolism and identification of bacteria causing human disease.

Revised Title and Catalog Copy: **(name change)**

MT 3132 **Introduction to Clinical Microbiology Laboratory**

First semester. One credit. One 2-hour and one 1-hour laboratories per week. Prerequisite: MT 3130 which must be taken concurrently. Open only to Medical Technology majors.

Laboratory exercises that teach fundamentals of microbial structure, growth and metabolism and identification of bacteria causing human disease.

CANR CC 10-11-05 Motion Passed

6. Revise: MT 3333 Infectious Disease Process II. Effective Spring 2011

Current catalog copy:

MT 3333. Infectious Disease Process II

Both semesters. Two credits. To enroll in the course the student must earn a "C" or better in MT 3130 and 3132. Open only to Medical Technology majors, others with the consent of the Medical Technology Program Director.

Revised catalog copy: **(name, credit, and course description change)**

MT 3333. **Mycology, Parasitology and Virology**

Both semesters. **Three credits**. Prerequisite: Student must have a "C" or better in MT 3130 and 3132. Open only to Medical Technology Majors; others with consent of Medical Technology Program Director.

Principles of disease and epidemiology, mechanisms of pathogenicity and laboratory isolation and identification of fungi, parasites and viruses causing human disease.

CANR CC 10-11-06 Motion Passed (6 Yea, 1 Nay)

7. Revise: MT 3301 Basic Laboratory Techniques. Effective Spring 2011

Current catalog copy:

MT 3301. Basic Laboratory Techniques

First semester. One credit. One 2-hour laboratory session. Open only to Medical Technology majors, others with instructor consent.

Use of common laboratory equipment, preparation of solutions, and dilutions, microscopy and staining, basic serological and hematological techniques.

Revised Catalog copy: **(name, credit, and catalog description change)**

MT 3301. **Fundamentals of Medical Laboratory Sciences**

Either semester. **Three credits**. Open only to Medical Technology majors, others with Medical Technology Program Director's consent.

Introduction to the various disciplines of study in laboratory medicine. Principles of laboratory safety, quality assurance and quality control and laboratory mathematics, as well as use of common laboratory equipment.

CANR CC 10-11-7 Motion Passed

8. Revise: MT 4321 Clinical Immunology and Virology. Effective 2011

Current catalog copy:

MT 4321 Clinical Immunology and Virology

Either semester. Three credits. Prerequisite: To enroll in the course the student must earn a "C" or better in AH 3121. Open only to Medical Technology majors, others with consent of Medical Technology Program Director.

Immune responses in normal and diseased states; methods for detection of antigens and antibodies in blood and body fluids; introduction to virology and immunology methods for the diagnosis of viral diseases.

Revised catalog copy: **(name, credit and catalog description change)**

MT 4321 **Clinical Immunology**

(213) Either semester. **Two credits**. Prerequisite: Students must earn a "C" or better in AH 3121. Open only to Medical Technology majors; others with consent of Medical Technology Program Director.

Methods for detection of antigens and antibodies in blood and body fluids; immunological methods for the diagnosis of infectious diseases and abnormalities of the immune system.

CANR CC 10-11-8 Motion Passed (6 Yea, 1 Nay)

9. Revise: MT 4301 Clinical Chemistry and Instrumentation. Effective Spring 2011

Current catalog copy:

MT 4301 Clinical Chemistry and Instrumentation

(250) Either semester. Five credits. Prerequisite: MCB 2000. Open only to Medical Technology majors, others with consent of Medical Technology Program Director.

Manual and automated methods for the biochemical analysis of blood and body fluids; principles of operation, maintenance, and troubleshooting of laboratory instruments. Evaluation of test results in normal and diseased states.

Revised catalog copy: (**credit change**)

MT 4301 Clinical Chemistry and Instrumentation

Either semester. **Four credits**. Prerequisite: MCB 2000. Open only to Medical Technology majors; others with consent of Medical Technology Program Director.

Manual and automated methods for the biochemical analysis of blood and body fluids; principles of operation, maintenance, and troubleshooting of laboratory instruments. Evaluation of test results in normal and diseased states.

CANR CC 10-11-9 Motion Passed

10. Revise: MT 4311 Hematology. Effective Spring 2011

MT 4311 Hematology

Both semesters. Three credits. Prerequisites: Open only to Medical Technology majors; others with consent of Medical Technology Program Director.

Principles of hemostasis, blood cell formation, morphology, function and kinetics; pathophysiology of coagulation and blood cell disorders; principles and procedures used to evaluate coagulation and blood cells in blood and body fluids; laboratory practice in microscopic evaluation.

Revised catalog copy: (**credit change**)

MT 4311 Hematology

Both semesters. **Four credits**. Open only to Medical Technology majors; others with consent of Medical Technology Program Director.

Principles of hemostasis, blood cell formation, morphology, function and kinetics; pathophysiology of coagulation and blood cell disorders; principles and procedures used to evaluate coagulation and blood cells in blood and body fluids; laboratory practice in microscopic evaluation.

CANR CC 10-11-10 Motion Passed (It was suggested that the grading structure on the syllabus be checked such that the passing grade of 73 matches the table which lists 72.5 as the passing grade)

11. Revise MT 4366 Phlebotomy Laboratory. Effective Spring 2011

Current catalog copy:

MT 4366 Phlebotomy Laboratory

Both semesters. One credit. Prerequisite: To enroll in the course the student must earn an "S" in MT 3365. Open only to Medical Technology majors; other with consent of medical Technology Program Director. Students taking this course will be assigned a final grade of S (satisfactory) or U (unsatisfactory).

Application of the theory and techniques learned in MT 3365 to the clinical laboratory setting. Understanding workflow, scheduling, teamwork, and quality assurance in the general laboratory environment.

Revised catalog copy: (*prerequisite change*)

MT 4366 Phlebotomy Laboratory

Both semesters. One credit. Prerequisite: MT 3365, which may be taken concurrently. Open only to Medical Technology majors; others with consent of the Medical Technology program Director. Students taking this course will be assigned a final grade of S (satisfactory) or U (unsatisfactory).

Application of the theory and techniques learned in MT 3365 to the clinical laboratory setting. Understanding workflow, scheduling, teamwork, and quality assurance in the general laboratory environment.

CANR CC 10-11-11 Motion Tabled for further information and clarification of prerequisite or co-requisite status of MT 3365.

12. Add: GPAH 5095: Investigation of special topics: Topic - Syllabus: Ethical Considerations in Genetics Research and Testing Effective: Fall 2010 (Information of Committee)

CANR CC 10-11-12 Approved for first time offering.

C. Animal Science - Animal Science Moved to Approve the Following Actions:

1. Revise: Therapeutic Horsemanship Education Minor - remove ANSC 3453 as a required course. Effective Spring 2011

Therapeutic Horsemanship Education Minor

Proposed Implementation Date: Spring 2011

Current Title and Catalog Copy:

Therapeutic Horsemanship Education Minor

This minor provides students with an opportunity to pursue an interest in therapeutic riding programs, and provides a basis for further study and certification as a therapeutic riding instructor or director.

The requirements for this minor are at least 16 credits of coursework. The student must complete all of the following courses: [ANSC 3453](#) or 1 semester of Horse Practicum; [ANSC 2251](#), [3456](#), [3691](#), [4457](#).

The student must also complete a minimum of 8 credits of coursework by choosing from the following courses: [ARE 3215](#), [4217](#); [PNB 2264/2265](#) or [PNB 2274/2275](#); [HDFS 2100](#), [2200](#); [BADM 3740](#).

At least 12 of the credits taken to satisfy the minor must be from courses that are not required for the student's major or other minors within the College of Agriculture and Natural Resources.

Students must earn a combined grade point average of 2.5 or higher for all courses listed above.

This minor is offered by the [Animal Science Department](#).

Revised Title and Catalog Copy:

Therapeutic Horsemanship Education Minor

This minor provides students with an opportunity to pursue an interest in therapeutic riding programs, and provides a basis for further study and certification as a therapeutic riding instructor or director. Riding experience at Intermediate Level II is required to enroll in ANSC 4457, one of the required courses of this minor

The requirements for this minor are at least 16 credits of coursework. The student must complete all of the following courses: [ANSC 2251](#), [3456](#), [3691](#), [4457](#). The student must also complete a minimum of 8 credits of coursework by choosing from the following courses: [ARE 3215](#), [4217](#); [PNB 2264/2265](#) or [PNB 2274/2275](#); [HDFS 2100](#), [2200](#); [BADM 3740](#).

At least 12 of the credits taken to satisfy the minor must be from courses that are not required for the student's major or other minors within the College of Agriculture and Natural Resources.

Students must earn a combined grade point average of 2.5 or higher for all courses listed above.

This minor is offered by the [Animal Science Department](#).

CANR CC 10-11-13 Motion Passed

2. Revise: ANSC 3621 Animal Biotechnology Laboratory – Add MCB 3414 or AH3020 as prerequisite. Effective Spring 2011

Current Title and Catalog Copy:

ANSC 3621. Animal Biotechnology Laboratory. First semester. One credit. One 4-hour class period every other week. Prerequisite: ANSC 3121 or equivalent. Recommended preparation: ANSC 3122 or equivalent. Instructor consent required. Tian
Focuses on the use of basic methods used in agricultural biotechnology research, including embryo manipulation, real-time PCR, karyotyping, SNP analysis and gene database searches and sequence alignment techniques.

Revised Title and Catalog Copy:

ANSC 3621. Animal Biotechnology Laboratory. First semester. One credit. One 4-hour class period every other week. Prerequisite: ANSC 3121 or equivalent; MCB3414 or AH3020 or equivalent. Recommended preparation: ANSC 3122 or equivalent. Instructor consent required. Tian
Focuses on the use of basic methods used in agricultural biotechnology research, including embryo manipulation, real-time PCR, karyotyping, SNP analysis and gene database searches and sequence alignment techniques.

CANR CC 10-11-14 Motion Passed

3. Revise: ANSC 3194 Seminar. Change from Open to juniors or Higher to Open to sophomores or higher. Effective Spring 2011

Current Title and Catalog Copy:

ANSC 3194. Seminar. Second semester. One credit. One 2-hour discussion period. Prerequisite: Open to juniors or higher. Govoni
A discussion of current employment opportunities in animal agriculture. In addition, students will prepare resumes and present oral talks.

Revised Title and Catalog Copy:

ANSC 3194. Seminar. Second semester. One credit. One 2-hour discussion period. Prerequisite: Open to sophomores or higher. Govoni
A discussion of current employment opportunities in animal agriculture. In addition, students will prepare resumes and present oral talks.

CANR CC 10-11-15 Motion Passed (This must be sent by the Department to Senate CC for approval since it is asking for open to sophomores or higher status)

D. Agriculture and Resource Economics - Agriculture and Resource Economics Moved to Approve the Following Actions:

1. ADD ARE 6695 Special Topics. Effective Spring 2011

ARE 6695 Special Topics. 1-3 credits. Lecture. May be repeated for credit with a change of topic. Topics and credits to be published prior to the registration period preceding the semester offerings.

CANR CC 10-11-16 Motion Passed

2. Offer a section of ARE 6695 - Bayesian Econometric Analysis

Special Topics: Bayesian Econometric Analysis, Spring 2011, consent of instructor required, instructor: Michael A. Cohen

This course introduces students to the Bayesian framework of econometric analysis. Emphasis is placed on applications to Business, Marketing, and Industrial Organization topics. These topics include: linear modeling, hierarchical modeling, choice modeling, Bayesian nonparametrics, MCMC simulation methods, and Bayesian decision theory.

CANR CC 10-11-17 Approved for first time offering.

E. Plant Science

1. Revise: Catalog copy for Turfgrass and Soil Science Major – Effective Spring 2011

CURRENT CATALOG COPY:

Turfgrass and Soil Science

This major offers two areas of concentration. Turfgrass Science includes the management of golf

courses, athletic fields, roadsides, erosion control sites, lawns and other areas where grasses are grown. The Soil Science option prepares students for professional certification. Courses focus on soil identification and suitability for different uses. (For detailed information, please refer to: www.canr.uconn.edu/plsci)

Turfgrass and Soil Science majors must pass the following courses: BIOL 1110; CHEM 1122, 1124Q or 1127Q; PLSC 1000, 4210, and 4215; SOIL 2120 and 2125

Students must earn a minimum of 9 additional credits in courses from the subject areas of Biology, Chemistry, Computer Science, Geoscience, Mathematics, Physics, or Statistics.

For the Turfgrass option, students must pass: TURF 1100, 3200/W, 3800; SOIL 3520, 3620; PLSC 3990

6 credits from: PLSC 3810, 3820, 3830, 3840

6 credits from: HORT 2430, 2750, 3410, 3420, 3640, 3650, 3660/W, 3760

Turfgrass and Soil Science majors must pass TURF 3200W or HORT 3660W to fulfill their requirement for writing in the major. Alternatively, Turfgrass and Soil Science majors with a minor in Landscape Design may use LAND 3230W to fulfill their requirement for writing in the major.

Students successfully completing these courses will have met their general education exit requirements for information literacy. Computer technology competency is satisfied by University entrance expectations.

A minor in Turfgrass Management is described in the "Minors" section.

NEW CATALOG COPY (revised text highlighted)

Turfgrass and Soil Science

This major offers two areas of concentration. Turfgrass Science includes the management of golf courses, athletic fields, lawns, roadsides, erosion control sites and other areas where grasses are grown. The Soil Science option prepares students for employment with local, state and federal government agencies, as well as private consulting and research firms. Courses focus on soil identification, reactivity, root zone construction, and soil management and suitability for different uses. (For detailed information, please refer to:

http://www.ct.nrcs.usda.gov/Soil_Pages/ss_qualifications.html and

<http://www.cag.uconn.edu/plsc/plsc/>)

Students in the Soil Science concentration must pass the following courses: BIOL 1107 or 1108 or 1110; CHEM 1124Q or 1127Q; GSCI 1050; PLSC 1000; SOIL 2120 & 2125.

Must have 36 credits from the following list with a minimum of 9 credits from SOIL courses: ARE 3434; GSCI 3010, 3020, 4110, 4210; LAND 3230W; NRE 3155, 3535, 4000W, 4165; SOIL 3220, 3410, 3520, 3620, 4420; TURF 3200W.

Students in the Soil Science concentration must pass LAND 3230W or NRE 4000W or TURF 3200W to fulfill their requirement for writing in the major.

Students successfully completing these courses will have met their general education exit requirements for information literacy. Computer technology competency is satisfied by University entrance expectations.

Students in the Turfgrass Science concentration must pass the following courses: BIOL 1110; CHEM 1122, 1124Q or 1127Q; PLSC 1000, 4210, and 4215; SOIL 2120 and 2125

Students must earn a minimum of 9 additional credits in courses from the subject areas of Biology, Chemistry, Computer Science, Geoscience, Mathematics, Physics, or Statistics.

For the Turfgrass Science concentration, students must pass: TURF 1100, 3200/W, 3800; SOIL 3520, 3620

3 credits from: PLSC 3990

6 credits from: PLSC 3810, 3820, 3830, 3840

6 credits from: HORT 2430, 2750, 3410, 3420, 3640, 3650, 3660/W, 3760

Students in the Turfgrass Science concentration must pass TURF 3200W or HORT 2560W to

fulfill their requirement for writing in the major. Alternatively, Turfgrass and Soil Science majors with a minor in Landscape Design may use LAND 3230W to fulfill their requirement for writing in the major. Students successfully completing these courses will have met their general education exit requirements for information literacy. Computer technology competency is satisfied by University entrance expectations.

A minor in Turfgrass Management is described in the "Minors" section.

approved PSLA Dept meeting 2010-05-12

permission to include ARE courses in Soils concentration; 2010-04-09

permission to include GCSI courses in Soils concentration 2010-04-22

permission to include NRE courses in Soils concentration, including NRE4000W 2010-09-03

CANR CC 10-11-18 Motion Passed

2. Review: Special Topic Offerings for Fall 2010

- a. PLSC 3995 Special Topics Topic: Landscape Construction (special listing to accommodate PSLA students in SAPL 740)
- b. PLSC 5898 Topics in Plant Science Topic: Plant Pathology (special listing to accommodate grad students in PLSC 3810)
- c. PLSC 5898 Topics in Plant Science Topic: Urban Horticulture (special listing to accommodate grad students in HORT 3760)
- d. PLSC 5898 Topics in Plant Science Topic: Insect Pests of Ornamentals and Turf (special listing to accommodate grad students in PLSC 3830)
- e. PLSC 5898 Topics in Plant Science Topic: Soil Fertility (special listing to accommodate grad students in SOIL 3620)
- f. PLSC 5898 Topics in Plant Science Topic: Plant Biotechnology (special listing to accommodate grad students in PLSC 3230)

CANR CC 10-11-19 Approved for first time offering.

3. Approve listing Horticultural Therapy courses offered by the New York Botanical Gardens for UConn academic credit as PLSC 3995 Special Topics. Course credits will not be allowed to fulfill the 36-credit requirement for CANR majors.

CANR CC 10-11-20 The committee approves the concept of using these special courses offered by the New York Botanical Gardens for credit by UConn students, pending the final approval of an MOU currently in progress.

F. Other Departmental Business. None

V. Report from Academic Programs - None

VI. Other Business None

VII. Meeting was adjourned at 5:25 pm. The next meeting will be on October 1, 2010.

Minutes approved on October 1, 2010