CANR Curricula and Courses Committee
Meeting Minutes- Final
February 6, 2015

I. The meeting was called to order at 1:18 pm by Chair Mike Darre. Members present: Rhonda Brownbill, Mike Darre, Sal Frasca, Deepak Joglekar, Patricia Jepson, Gary Kazmer, Stephanie Mazerolle, Tom Meyer, Kristin Schwab, and Lauren Wilson. Guest: Sara Tremblay (ENVS)

II. Old Business:

A. Electronic CAR form updates- ready to use for ADD, REVISE, and DROP. Still issues? Mike stated that we should use both forms (old on senate site, and new IBM) for a bit till all bugs are worked out.

III. New Business:

A.

1. Tom Meyer moved to add Sara Tremblay as a voting member of the CAHNR C&C committee. Sal Frasca seconded the motion.
Rational: The committee felt that since Environmental Science and Environmental Studies are majors within CAHNR, and since courses and curricula changes within these majors are brought before the CAHNR C&C committee, that they should have regular representation on the committee. Sara is the logical choice, since she does advising for the majors and works with John Volin, who is the official contact from CAHNR for these majors.

MOTION PASSED CAHNR CC 14-15-70

2. Sal Frasca moved to amend the By-Laws of the CAHNR to appoint a member of the CAHNR to represent Interdisciplinary Programs, that are not from an official department within the CAHNR. Kristen Schwab seconded the motion.
Rational: When the By-Laws directing the appointment of a representative from each of the academic departments within the CAHNR were adopted, the concept of Interdisciplinary or Interdepartmental majors between the CAHNR and another school or college was not considered. Since ENVS and EVST are majors within either CAHNR or CLAS but not specifically within a CAHNR department, it was the opinion of the CAHNR C&C committee to amend the bylaws to include such a case. Suggested language for the By-Law is:

Current By-Law Section II.-3 – Membership

Membership

The C&C Committee shall consist of the Chair, appointed by the Dean for a five-year term, and one member from each academic department in the College appointed to a three-year term. Each member can be re-appointed for additional 3 year terms. The Associate Dean for Academic Programs will serve as an ex officio member. Each department shall appoint an alternate member to attend meetings in the absence of the primary member. The Dean may appoint members at any time and for shorter terms as may be required to fill vacancies.

Revised By-Law Section II. – 3 – Membership

Membership

The C&C Committee shall consist of the Chair, appointed by the Dean for a five-year term, and one member from each academic department and Interdepartmental program in the College appointed by their department head or program director to a three-year term. Members must be CAHNR faculty or staff. Each member can be re-appointed for additional 3 year terms. The Associate Dean for Academic Programs or their representative will serve as an ex officio member. Each department shall appoint an alternate member to attend meetings in the absence of the primary member. The Dean may appoint members at any time and for shorter terms as may be required to fill vacancies.

MOTION PASSED CAHNR CC 14-15-71

B. The Department of Plant Science and Landscape Architecture proposes the following:

1. ADD PLSC 3055 Transgenic crops from farm to fork. Effective Fall 2015
Kristin moved and Gary seconded.

Proposed Title and Catalog Copy:
PLSC 3055. Genetically engineered crops from farm to fork. Fall semester, odd years. Two credits. Two class periods. Auer.
Analysis of genetically engineered crops through the study of environmental, health, social, regulatory, economic, and farm management issues in the US and other countries. For students from all disciplines.

MOTION PASSED CAHNR CC 14-15-72

C. The Department of Nutritional Sciences proposes the following:

1. REVISE: Didactic Program Requirements, remove economics requirement, revise concentration wording and add verification statement requirements. Effective Fall 2015. Rhonda moved and Gary seconded.

Nutritional Sciences Motion: Change Didactic Program Requirements, remove economics requirement, revise concentration wording and add verification statement requirements. Effective Fall 2015.
Rational: an economics course does not satisfy any of the knowledge requirements for the didactic program. Course content is not relevant to the practice of dietetics. Advisory committee recommended grade requirements for declaring concentration also be required for earning a verification statement.
Motion passed by DPD advisory committee on dec 19, 2014 and department faculty on Feb 6, 2015.
Current Catalog Copy:
Didactic Program in Dietetics
Nutritional Science students preparing to apply for a dietetics internship in preparation to become registered dietitians may enroll in the Didactic Program in Dietetics at the University of Connecticut which is currently granted accreditation by:
Accreditation Council for Education in Nutrition and Dietetics (ACEND)
216 W. Jackson Blvd.
Chicago, IL 60606-6695
Phone: (312) 899-5400(312) 899-5400, (800) 877-1600(800) 877-1600
Majors *admitted into* this concentration must complete the core requirements for all Nutritional Science majors plus:

- NUSC 1167, 3150, 3230, 3233, 3234, 3245, 3250, 3271, 3272, 4272;
- MCB 2610;
- AH 4242 or EPSY 3010; AH 4244;

- STAT 1000Q or 1100Q;
- SOCI 1001 or PSYC 1100;
- ***ARE 1150 or ECON 1000 or ECON 1201 or ECON 1202.***
  Admission to the Didactic Program in Dietetics concentration within the Nutritional Sciences major requires a minimum of 60 earned credits, a cumulative GPA of 2.7 or higher, successful completion of the following courses with a C grade or better:
- CHEM 1124Q and 1125Q or CHEM 1127Q and 1128Q; CHEM 2241, or 2443 and 2444; and
- BIOL 1107, and a B grade or better in NUSC 1165 and NUSC 2200.

Revised Catalog Copy:

Didactic Program in Dietetics

Nutritional Science students preparing to apply for a dietetics internship in preparation to become registered dietitians may enroll in the Didactic Program in Dietetics at the University of Connecticut which is currently granted accreditation by:
Accreditation Council for Education in Nutrition and Dietetics (ACEND)
216 W. Jackson Blvd., Chicago, IL 60606-6695, **Phone:** (312) 899-5400, (800) 877-1600

To declare a concentration in the Didactic Program in Dietetics within the Nutritional Sciences major, students must have a minimum of 60 credits, a cumulative GPA of 2.7 or higher and have successfully completed the following courses:

- NUSC 1165 and NUSC 2200 with a B grade or better;
- CHEM 1124Q and 1125Q or CHEM 1127Q and 1128Q; CHEM 2241, or 2443 and 2444; and BIOL 1107 with a C grade or better.

To earn a verification statement, students must meet the above grade requirements; complete the core requirements for all Nutritional Science majors; earn a Didactic Program in Dietetics GPA of at least a 2.7 by successfully completing the following courses:

- NUSC 1167, 3150, 3230, 3233, 3234, 3245, 3250, 3271, 3272, 4272;
- MCB 2610;
- AH 4242 or EPSY 3010; AH 4244;
- STAT 1000Q or 1100Q;
- SOCI 1001 or PSYC 1100

MOTION PASSED CAHNR CC 14-15-73

D. The Environmental Studies Program proposes the following:

1. ADD: EVST 3999 Independent Study. Effective Fall 2015

Proposed Title and Catalog Copy:

EVST 3999 Independent Study
Credits and hours by arrangement. Prerequisite: Open only with consent of instructor and Program Director. This course may be repeated for credit with a change in subject matter.

MOTION PASSED CAHNR CC 14-15-74

E. The Environmental Science Program proposes the following:

1. REVISE: Curriculum revision for the major. Change from the current nine concentrations to three new concentrations. Effective Fall 2015. Tom moved and Stephanie seconded.

Existing Catalog Description of Major

The major in Environmental Science is based in the physical and biological sciences, but also includes course work in selected areas of the social sciences. The major leads to a Bachelor of Science degree, and may be adopted by students in either the College of Agriculture, Health and Natural Resources or the College of Liberal Arts and Sciences. This curriculum offers a comprehensive approach to the study of environmental problems, including not only a rigorous scientific background, but also detailed analyses of the social and economic implications of environmental issues. The complexity and interdisciplinary nature of environmental science is reflected in the core requirements of the major. These courses, assembled from several different academic departments representing two colleges, provide both breadth and depth, preparing students for careers that deal with environmental issues, and for graduate study in environmental science and related fields.

- **Required courses in Basic Science**
  - ARE 1150;
  - BIOL 1107, 1108 or 1110;
  - CHEM 1124Q, 1125Q, 1126Q or 1127Q, 1128Q;
  - MATH 1125Q, 1126Q, 1132Q or 1131Q, 1132Q;
  - PHYS 1201Q, 1202Q, or 1401Q, 1402Q;
  - STAT 1000Q or 1100Q or 3025Q
- **Required Courses in Introductory Environmental Science**
  - Select any two from GEOG 2300, GSCI 1050, MARN 1002, NRE 1000
- **Required Courses numbered 2000-level or above in Environmental Science**
  - AH 3175, EEB 2244/W, GSCI 3020 , MARN 3000, NRE 3145
- **Capstone course**
  - NRE 4000W
- **General Education competency requirements**
  - Completion of NRE 4000W will satisfy the writing in the major and information literacy requirements. Completion of STAT 1000Q or 1100Q or 3025Q and NRE 4000W will satisfy the computer literacy requirement.
- **Concentration requirements**
  - All students majoring in Environmental Science must also fulfill the requirements of a concentration in a discipline associated with the program before graduation. Approved concentrations are listed below.

Concentration requirements

Environmental Health

Students must pass all of the following: AH 3021 or 3133, AH 3275, and ANSC 4341.
Students must pass two of the following: MCB 3201, 2410, 2610*, 3011, 4211, 3633.*
** At least one of these laboratory courses must be taken.*
Students must pass one of the following: AH 3570, 3571, 3573, 3574; ANSC 4642; DGS 3222; NUSC 4236; PVS 2100, 4300.

Natural Resources

Students must take NRE 2000, 2010, and 4094 plus two additional NRE courses numbered 3000 and above.

Resource Economics

Students must take 15 credits from the following: ARE 3260, 3434, 3436, 3437, 3450, 4438, 4444, 4462, 4464, 4999 and up to one additional ARE course numbered 3000 – level or above with prior Advisor approval.

Soil Science

Students must pass the following: SOIL 2120, 2125, and 3410. Must select 2 courses from CE 5090; NRE 4165; PLSC 3995, 5420.
Environmental Science also offers the following concentrations through the College of Liberal Arts and Sciences: Environmental Biology, Environmental Chemistry, Environmental Geography, Environmental Geoscience, Marine Science. For complete requirements, refer to the

Environmental Science description in the College of Liberal Arts and Sciences section of this *Catalog.*

Proposed Revised Catalog Description of Major

The major in Environmental Sciences is based in the physical and biological sciences, but also includes course work in selected areas of the social sciences. The major leads to a Bachelor of Science degree, and may be adopted by students in either the College of Agriculture, Health and Natural Resources or the College of Liberal Arts and Sciences. This curriculum offers a comprehensive approach to the study of environmental problems, including not only a rigorous scientific background, but also detailed analyses of the social and economic implications of environmental issues. The complexity and interdisciplinary nature of environmental science is reflected in the core requirements of the major. These courses, assembled from several different academic departments representing two colleges, provide both breadth and depth, preparing students for careers that deal with environmental issues, and for graduate study in environmental sciences and related fields.

Required courses in Basic (Natural) Sciences

- BIOL 1107, & BIOL 1108 or 1110;
- CHEM 1124Q, 1125Q, 1126Q or 1127Q, 1128Q;
- MATH 1131Q, 1132Q;
- PHYS 1201Q, 1202Q or 1401Q, 1402Q;
- STAT 1000Q or 1100Q or 3025Q.
- NRE 1000

It should be noted that: ARE1150, ECON 1200, or ECON 1201; GEOG 2300; GSCI 1050; MARN 1002 are pre-requisites for several upper division course concentration options. It is your responsibility to ensure that you have satisfied all pre-requisites in the catalog for concentration courses you may be interested in registering for.

Required Sophomore Seminar Course

- ENVS 2000 (1 credit)

- ***Required Capstone Course***
  - NRE 4000W

Required Internship or Research Experience

- 1 - 6 credits of internship and/or research experience. Internship and/or research experience must be approved by the student's advisor.
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Area of Concentration

All students majoring in Environmental Sciences must ~~also~~ declare and fulfill the requirements of a concentration in a discipline associated with the program before graduation. Approved concentrations are listed below:

Sustainable Systems Concentration (The same course cannot be used to fulfill more than one knowledge competency.)

Students must complete at least 2 courses from each of the following Knowledge Competencies.

- **Resource Management:** EEB 2208; GEOG 3340; MARN 3030; NRE 2010, 2215, 2325, 2345, 3105, 3125, 3155, 3305, 3335, 3345/W, 3500, 3535, 4335, 4575.
- **Ecological Systems:** EEB 2244/W; EEB 3230/MARN 3014; EEB 3247, 4230W; NRE 2455, 3205, 4340.

Students must complete at least 1 course from each of the following Knowledge Competencies.

- ~~**Green Design**~~ **Built Systems:** ~~AH 3175~~; HORT 3765; LAND 3230W; NRE 3265.
- **Governance & Policy:** AH 3174; ARE 3235, 3434, 3437, 4438, 4462; ECON 2467/MAST 2467; GEOG 3320W; MAST 3832/POLS 3832; NRE 3201, 3245, 3246; POLS 3412; SOCI 3407/W.

- **Ethics, Values, & Culture:** ANTH 3339; ENGL 3240, 3715; GEOG 3410; HIST 3540, 3542; JOUR 3046; PHIL 3216; SOCI 2701, 2705, 2709/W, 3407/W.
- **Economics & Business:** ARE 3235, 4305, 4438, 4444, 4462, 4464; ECON 2467/MAST 2467; ECON 3466, 3473.

  Global Change Concentration (The same course cannot be used to fulfill more than one knowledge competency.)

  Students must complete at least 2 courses from each of the following Knowledge Competencies.
- **Climate Change and Its Impacts:** GEOG 3400, 4300; GSCI 3010; MARN 3000; NRE 3115, 3146, 4170.
- **Land and Ocean Use & Its Impacts:** EEB 2208; GEOG 3310, 3410; GSCI 3020; GSCI 3230/MARN 3230; HORT 3765; MARN 3001, 3030, 4066; NRE 2215, 2325, 2345, 3105, 3115, 3155, 4340; NRE 4135/GSCI 4735.
- **Natural Science:** CHEM 4370, 4371; EEB 2244/W, 2245/W; EEB 3230/MARN 3014; EEB 3247; EEB 4120/GSCI 4120; GEOG 2300; MARN 2002, 2060, 3003Q, 4030W, 4060; NRE 2455, 3125, 3145, 3205; SOIL 2120, 3410.

  Students must complete at least 1 course from each of the following Knowledge Competencies.
- **Methods:** EEB 4230W; ENVE 2251; GEOG 3300, 3500Q; GEOG 3505/MARN 3505; GEOG 4230; GSCI 3710, 4230; MARN 3003Q; NRE 2000, 2010, 3252, 3305, 3345/W, 3535, 4335, 4475, 4535, 4544, 4545, 4575, 4665; PHYS 2400; STAT 2215Q, 3025Q.
- **Governance & Policy:** AH 3174; ARE 3235, 3434, 3437, 4438, 4462; ECON 2467/MAST 2467; GEOG 3320W; MAST 3832/POLS 3832; NRE 3201, 3245, 3246; POLS 3412; SOCI 3407/W.

  Human Health Concentration

  Students must pass all of the following.
- AH 3175
- MCB 2610 or ANSC 4341
- AH 3021
- AH 3275
- PVS 4300

  Students must pass 2 of the following; totaling 6 or more credits.
- MCB ~~2410~~,2400, 3010, 3011, 3201, 3633, 4211; ANSC 4642

  Students must pass 1 of the following.
- AH 3570, 3571, 3573, 3574; ~~PVS 4300~~

  Note: A B.S. in Environmental Sciences can also be earned through the College of ~~Agriculture, Health and Natural Resources~~ Liberal Arts and Sciences. For a complete description of the major in that college, refer to the Environmental Sciences description in the "College of ~~Agriculture, Health and Natural Resources~~ Liberal Arts and Sciences" section of this Catalog.

C&C Discussion of proposal. Suggested changes to the document are highlighted in red. It was also proposed that a course in Anatomy or Anatomy and Physiology, such as PVS 2100 or PNB 2265 be added to the list of options for the Human Health Concentration. Due to the significant changes suggested by the CAHRN CC committee, it was moved by Tom and Seconded by Sal to table the motion.

MOTION TO TABLE PASSED CAHNR CC 14-15 75.

IV. Report from Academic Programs:

A. Pat said that a session on the on-line plan of study will be held on Tuesday, Feb 10 at noon and a representative from each department has been requested to attend.

B. In March there will be a workshop on the proper use of substitutions and transfer credits. More to follow on this.

C. Faculty should remind students to apply for the 2016 CAHNR Scholarships.

V. Other Business:?

VI. Time and Place of next meeting. February 20, 2015. 1:15 pm WBY 209

VII. Adjourn 2:48 pm