

CAHNR Curricula and Courses Committee
Meeting Minutes FINAL
May 15 2015 ATL 109

I. The meeting was called to order by Chair Mike Darre at 1:23 pm. Members present: Rhonda Brownbill, Mike Darre, George Elliott, Sal Frasca, Deepak Joglekar, Patricia Jepson, Gary Kazmer, Denise Ward, John Volin, and Lauren Wilson.

II. Old Business:

- A. Electronic CAR form updates- ready to use for ADD, REVISE, and DROP. NOT REALLY READY Use Electronic form for any course not being submitted to senate at this time. All others must be on BOTH the current Senate and New Electronic forms.
- B. Allied Health Sciences discussed the use of Human Health Concentration for the concentration used in ENVS. This motion was originally brought to the CAHNR CC committee on Feb 6, 2015 and was tabled for further discussion of suggested revisions. It was brought to the committee again on Feb 20, 2015 and the revisions were approved. This was motion CAHNR CC 14-15-75R1. The objection of the AHS as the current meeting was the use of the term Human Health. John Volin noted that this particular name (and changes from 9 to 3 concentrations within the major) were widely discussed with all parties involved, including AHS. The CAHNR committee agreed that the revisions to the concentrations, including the name change had been fully vetted and officially approved and stands as approved in motion CAHNR CC 14-15-75R1.

III. New Business:

- A. The Department of Plant Science and Landscape Architecture proposed the following:
1. REVISE: Horticulture Major Requirements. Effective As soon as possible. (George and Gary)¹

CURRENT CATALOG COPY:

The Horticulture major focuses on sustainable plant production and the use of plants to enhance human environments. The core curriculum includes biology, chemistry, plant propagation, plant identification, plant physiology, and soil science. Students must select a concentration emphasizing either environmental and landscape horticulture or sustainable agricultural production. Complementary courses are available in plant biotechnology, turfgrass science and soil science. (For detailed information, please refer to: www.canr.uconn.edu/plsci)

Horticulture majors must pass the following core requirements:

BIOL 1110; CHEM 1122 or 1124Q or 1127Q; HORT 2560W, 3640; PLSC 3840, 4210, 4215; SOIL 2120, 2125;

2 of: HORT 2430, 3410, 3560

2 of: PLSC 3810, 3820, 3830

In addition to the core requirements, horticulture majors must complete the requirements for one of the following concentrations:

Environmental and Landscape Horticulture

TURF 1100, HORT 2750

1 of: HORT 3765, SOIL 3620

¹ Names in parenthesis represent the person who put forward the motion and the person who seconded.

ARE 1150 and 1 of: ANTH 3523, ARE 1110, PLSC 1150
3 of: HORT 3660, 3670, 4650; PLSC 3990

Sustainable Agriculture

HORT 3620; PLSC 1150; SOIL 3620
1 of: HORT 3670, 3765
1 of: ARE 1110, 1150; ANTH 3523

Horticulture majors must pass HORT 2560W 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.

PROPOSED CATALOG COPY:

The Horticulture major focuses on sustainable plant production and the use of plants to enhance human environments. The core curriculum includes biology, chemistry, plant propagation, plant identification, plant physiology, and soil science. Students must select a concentration emphasizing either environmental and landscape horticulture or sustainable agricultural production. Complementary courses are available in plant biotechnology, turfgrass science and soil science. (For detailed information, please refer to: www.canr.uconn.edu/plsci)

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BIOL 1110; CHEM 1122 or 1124Q or 1127Q; HORT 2560W, 3640; PLSC 3840, 4210, 4215; SOIL 2120, 2125;

2 of: HORT 2430, 3410, 3560

2 of: PLSC 3810, 3820, 3830

In addition to the core requirements, horticulture majors must complete the requirements for one of the following concentrations:

Environmental and Landscape Horticulture

TURF 1100, HORT 2750

1 of: HORT 3765, SOIL 3620

ARE 1150 and 1 of: ANTH 3523, ARE 1110, PLSC 1150

3 of: HORT **3450**, 3660, 3670, 4650; PLSC 3990 or UNIV 1981

Sustainable Agriculture

HORT 3620; **PLSC 2100, 2500, 3094**; PLSC 3990 or UNIV 1981; SOIL 3620

1 of: PLSC 1125, 1150, 3055;

1 of: HORT **3660**, 3670, 3765

1 of: ARE 1110, 1150; ANTH 3523

Horticulture majors must pass HORT 2560W 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.

MOTION PASSED CAHNR CC 14-15-97

B. The Department of Allied Health Sciences proposes the following:

1. DELETE: Remove the HESC subject code and corresponding courses. Effective Fall 2015.
(Lauren and John)

| | | | |
|------|------|------|---------------------------------------|
| HESC | 3004 | 1078 | 013071 Fundamentals Radiologic Phys |
| HESC | 3005 | 1083 | 013074 Radiation Biology & Protection |
| HESC | 3010 | 1078 | 013085 Patient Care Radiolog Tech I |
| HESC | 3011 | 1083 | 013086 Patient Care Radiolog Tech II |
| HESC | 3095 | 0838 | 006156 Special Topics |
| HESC | 3099 | 0918 | 006157 Independ Study for Undergrads |
| HESC | 3120 | 1088 | 013088 Oncologic Pathology |
| HESC | 3121 | 1093 | 013075 Radiation Therapy Physics |
| HESC | 3122 | 1078 | 013087 Foundations Radiation Therapy |
| HESC | 3132 | 1083 | 013083 Medical Imaging & Processing |
| HESC | 3133 | 1088 | 013084 Radiation Ther Equip & Oper |
| HESC | 3161 | 1078 | 013095 Prin&Prac Radtn Therapy I |
| HESC | 3162 | 1083 | 013096 Prin&Prac Radtn Therapy II |
| HESC | 3171 | 1078 | 013100 Radiation Ther Clin Intern I |
| HESC | 3172 | 1083 | 013101 Radiation Ther Clin Intern II |
| HESC | 4125 | 1088 | 013089 Clinical Radiation Oncology I |
| HESC | 4126 | 1093 | 013090 Clinical Radiation Oncology II |
| HESC | 4131 | 1093 | 013079 Computer Appl Radiation Ther |
| HESC | 4140 | 1093 | 013099 Quality Management |
| HESC | 4152 | 1088 | 013077 Treatment Planning II |
| HESC | 4163 | 1088 | 013097 Prin&Prac Radtn Therapy III |
| HESC | 4164 | 1093 | 013098 Prin&Prac Radtn Therapy IV |
| HESC | 4174 | 1088 | 013103 Radiation Ther Clin Intern IV |
| HESC | 4175 | 1093 | 013104 Radiation Ther Clin Intern V |

MOTION PASSED CAHNR CC 14-15-98

2. ADD: DGS 4810 Suspension Cell Culture, Harvest, & Analysis. Effective Spring 2016.
(Lauren and Sal)

Proposed Catalog Copy:

DGS 4810, Suspension Cell Culture, Harvest, & Analysis

Six credits. Practicum course. Prerequisites: A grade of C or better in DGS 3222, 3223, and 4224, and 4248; open to DGS majors only.

Techniques for processing suspension cell cultures and for isolating and identifying human chromosomes from suspension cell samples (bloods, bone marrows, and/or solid tumors).

Culture, harvest, staining, microscopic analysis, and karyotyping of suspension cell samples will be covered.

MOTION PASSED CAHNR CC 14-14-99

3. ADD: DGS 4820 Attached Cell Culture, Harvest, & Analysis. Effective Spring 2016.
(Lauren and Sal)

Proposed Catalog Copy:

DGS 4820, Attached Cell Culture, Harvest, & Analysis

Six credits. Practicum Course. Prerequisites: A grade of C or better in DGS 3222, 3223, and 4224, and 4248; open to DGS majors only.

Techniques for processing attached cell cultures and for isolating and identifying human chromosomes from attached cell samples (amniotic fluids, chorionic villus samples, products of conception, skin biopsies, and/or tumors, etc.). Culture, harvest, staining, microscopic analysis, and karyotyping of attached cell samples will be covered.

MOTION PASSED CAHNR CC 14-14-100

4. ADD: DGS 4830 Molecular Cytogenetic Technologies. Effective Spring 2016. (Lauren and Denise)

Proposed Catalog Copy:

DGS 4830, Molecular Cytogenetic Technologies

Three credits. Practicum course. Prerequisites: A grade of C or better in DGS 3222, 3223, 4224, 4234, 4235, and 4248; open to DGS majors only.

Hands-on experience in fluorescence *in situ* hybridization (FISH) and other molecular cytogenetic technologies as applicable (e.g.: microarrays).

MOTION PASSED CAHNR CC 14-14-101

5. ADD: DGS 4850 Investigative Topics in Laboratory Genetics. Effective Spring 2016. (Lauren and John)

Proposed Catalog Copy:

DGS 4850, Investigative Topics in Laboratory Genetics

One credit. Practicum Course. Prerequisites: A grade of C or better in DGS 3222, 3223, 4224, 4234, 4235, 4236, and 4248; and AH 4241. Open to DGS majors only.

Exploration of an area of individual interest in laboratory or clinical genetics.

MOTION PASSED CAHNR CC 14-14-102

6. REVISE: The practicum and graduation requirements for the Cytogenetics concentration in the DGS program. Effective Spring 2016. Add DGS 4810, 4820, 4830 and 4850. Delete DGS 4701, 4702, 4703, 4712, 4713 and 4750. (Lauren and Gary)

| Current courses | Cr | | Proposed Courses | Cr |
|--|------------|--|--|------------|
| Cytogenetics Concentration: | | | Cytogenetics Concentration: | |
| DGS 4701 Peripheral Blood Cytogenetics | 4 | | DGS 4810 Suspension Cell Culture, Harvest, & Analysis | 6 |
| DGS 4702 Prenatal Cytogenetics | 4 | | DGS 4820 Attached Cell Culture, Harvest, & Analysis | 6 |
| DGS 4703 Bone Marrow Cytogenetics | 4 | | DGS 4830 Molecular Cytogenetic Technologies | 3 |
| DGS 4712 FISH | 2 | | DGS 4850 or 4997 Investigative Topics or Honors Research | <u>1-3</u> |
| DGS 4713 Practicum Imaging & Staining | 1 | | | 16-18 cr |
| DGS 4750 or 4997 CG Res or Honors Research | <u>1-3</u> | | | |
| | 16-18 cr | | | |

MOTION PASSED CAHNR CC 14-14-103

7. REVISE: The practicum and graduation requirements for the Molecular Biology concentration in the DGS program. Add DGS 4850; Delete DGS4550. Effective Spring 2016. (Lauren and Sal)

Current Catalog Copy:

Molecular Concentration:

| | | | |
|-----------------|---------------------------------|-------|--|
| DGS 4501 | Specimen Processing | 2 cr. | |
| DGS 4502 | Nucleic Acid Isolation | 4 cr. | |
| DGS 4503 | Amplification Methods | 6 cr. | |
| DGS 4550 | Research in Molecular Genetics† | 1 cr. | |

Proposed Catalog Copy:

Molecular Concentration:

| | | | |
|-----------------|---|-------|-------|
| DGS 4501 | Specimen Processing | 2 cr. | |
| DGS 4502 | Nucleic Acid Isolation | 4 cr. | |
| DGS 4503 | Amplification Methods | 6 cr. | |
| DGS 4850 | Investigative Topics in Laboratory Genetics.† | | 1 cr. |

MOTION PASSED CAHNR CC 14-14-104

8. REVISE: The admission requirements for entry into the DGS program to include both MCB 2400 or 2410 (Human Genetics/Genetics) and MCB 2610 (Fundamentals of Microbiology). Effective Spring 2016. (Lauren and Rhonda)

Current Catalog Copy:

Diagnostic Genetic Sciences

Mathematics and Science Courses - CHEM 1124Q and 1125Q or CHEM 1127Q and 1128Q; CHEM 2241 or CHEM 2443 and 2444; BIOL 1107; MATH 1040Q or 1060Q or 1125Q or above; MCB 2410*, 2610*; STAT 1000Q or 1100Q. *At least one of these courses must be completed prior to starting the program. Professional Courses - AH 2001, 3121, 4241, 4244; DGS 3222, 3223, 3225, 4224, 4234W, 4235, 4236, 4246, 4248; Cytogenetics Concentration Clinical Courses: 4701, 4702, 4703, 4712, 4713, 4750 or 4997; Molecular Concentration Practicum Courses: 4501, 4502, 4503, 4550 or 4997; and one of the following: 4510, 4512, 4513, 4514, 4515.

Revised Catalog Copy:

Diagnostic Genetic Sciences

Mathematics and Science Courses - CHEM 1124Q and 1125Q or CHEM 1127Q and 1128Q; CHEM 2241 or CHEM 2443 and 2444; BIOL 1107; MATH 1040Q or 1060Q or 1125Q or above; **MCB 2400 or MCB 2410, 2610**; STAT 1000Q or 1100Q. ~~*At least one of these courses must be completed prior to starting the program.~~ Professional Courses - AH 2001, 3121, 4241, 4244; DGS 3222, 3223, 3225, 4224, 4234W, 4235, 4236, 4246, 4248; Cytogenetics Concentration Clinical Courses: **4810, 4820, 4830, 4850** or 4997; Molecular Concentration Practicum Courses: 4501, 4502, 4503, **DGS 4850** or 4997; and one of the following: 4510, 4512, 4513, 4514, 4515.

MOTION PASSED CAHNR CC 14-14-105

9. DELETE: DGS 4701 Peripheral Blood Cytogenetics. Effective Spring 2016. (Lauren and Denise)

MOTION PASSED CAHNR CC 14-14-106

10. DELETE: DGS 4702 Prenatal Cytogenetics. Effective Spring 2016. (Lauren and Gary)

MOTION PASSED CAHNR CC 14-14-107

11. DELETE: DGS 4703 Bone Marrow Cytogenetics. Effective Spring 2016. (Lauren and Rhonda)

MOTION PASSED CAHNR CC 14-14-108

12. DELETE: DGS 4712 Fluorescence *in situ* Hybridization. Effective Spring 2016 (Lauren and Gary)

MOTION PASSED CAHNR CC 14-14-109

13. DELETE: DGS 4550 Research in Molecular Genetics. Effective Spring 2016. (Lauren and Denise)

MOTION PASSED CAHNR CC 14-14-110

14. DELETE: DGS 4750 Research in Cytogenetics. Effective Spring 2016. (Lauren and Deepak)

MOTION PASSED CAHNR CC 14-14-111

15. DELETE: DGS 4713 Practicum in Imaging & Staining. Effective Spring 2016. (Lauren and Denise)

MOTION PASSED CAHNR CC 14-14-112

C. The Department of Environmental Sciences proposes the following:

1. ADD: NRE 4695 Special Topics: Integrating Humans and the Environment. Effective Fall 2015 First time offering (John and Gary)

Proposed Catalog Copy:

NRE 4695. Integrating Humans and the Environment. Three credits. Open to sophomores or higher. Recommended preparation: NRE 1000 or similar.

This course is designed for students who have had a foundation in the basic concepts of environmental sciences. Exploration of critical environmental issues from a science-based perspective, including climate change, energy resilience, ecosystem services, and sustainability. The course will address the challenges, tradeoffs, and potential solutions to problems related to human modification of the environment, and do so from an interdisciplinary perspective.

MOTION PASSED CAHNR CC 14-14-113

2. ADD: ENVS 3991 Internship. Effective Fall 2015. (John and Sal)

Proposed Catalog Copy:

ENVS 3991. Internship 0 to 12 credits. Hours by arrangement. Prerequisite: Open only with consent of the Program Director. Students taking this course will be assigned a final grade of S (satisfactory) or U (unsatisfactory).

MOTION PASSED CAHNR CC 14-14-114

3. ADD: ENVS 3993 Foreign Study. Effective Fall 2015. (John and Sal)

Proposed Catalog Copy:

ENVS 3993. Foreign Study: Credits (up to a maximum of 15) and hours by arrangement. Prerequisite: Consent of Program Director required, normally to be granted before the student's departure. May count toward the major with consent of the advisor. May be repeated for credit.

Special topics taken in a foreign study program.

MOTION PASSED CAHNR CC 14-14-115

4. ADD: ENVS 3999 Independent Study. Effective Fall 2015. (John and Gary)

Proposed Catalog Copy:

ENVS 3999. Independent Study. Credits and hours by arrangement. Prerequisite: Open only with consent of instructor and program director. May be repeated for credit with a change in subject matter.

MOTION PASSED CAHNR CC 14-14-116

D. The Department of Natural Resources and the Environment proposes the following:

1. REVISE: NRE 3246 Human Dimensions of Natural Resources. Change the Number to NRE 3000 Human Dimensions of Natural Resources. Effective Fall 2015. (John and Denise)

Current Catalog Copy

NRE 3246. Human Dimensions of Natural Resources

Three credits. Prerequisite: Open to juniors or higher. Morzillo

Leadership, management, and workplace skills in professional natural resources management in governmental and nonprofit sectors. Public policy and administration, strategic collaboration and networks, organizational leadership, and conflict resolution will be covered.

Revised Catalog Copy:

NRE 3000. Human Dimensions of Natural Resources

Three credits. Prerequisite: Open to juniors or higher. Morzillo

Leadership, management, and workplace skills in professional natural resources management in governmental and nonprofit sectors. Public policy and administration, strategic collaboration and networks, organizational leadership, and conflict resolution will be covered.

MOTION PASSED CAHNR CC 14-14-117

2. ADD: NRE 4695 Special Topics: Patagonian Biodiversity and Horse Culture (Taught concurrently with ANSC 2695) Effective Fall 2015. First time offering. (John and Denise)

Proposed Catalog Copy:

NRE 4695 Special Topics: Patagonian Biodiversity and the Horse Culture. Three credits.

Taught concurrently with ANSC 2695.

This experimental course will be taught in the fall semester with a field component.

During winter break, students will travel to the Southern Patagonia of Chile. In the fall semester the students will be introduced to the ecology and biodiversity of Patagonia and how it has been affected by the livestock industry with especial emphasis on the horse.

The field component will take students to several ranches and a national park in the Chilean Patagonia. Local instructors and students will conduct rapid assessment of the biodiversity and behavioral observations on the ranch as well as wild horses in the area.

Socio-cultural aspects will be taught by local instructors and "gauchos" (the local cowboys).

DISCUSSION: There was some discussion about how the course would be listed with the registrar as part of the course is in the fall semester and part in the winter intersession. It was suggested that perhaps it would need to be listed as 1 credit for the fall and 2 credits for the winter intersession. There was some further discussion of whether or not the course is worthy of three credits.

MOTION PASSED CAHNR CC 14-14-118 (1 nay and 2 abstentions)

- E. The Department of Animal Science proposes the following:

1. ADD: ANSC 2695 Special Topics: Patagonian Biodiversity and Horse Culture. (Taught concurrently with NRE 4695) (Gary and Sal)

Proposed Catalog Copy:

ANSC 2695 Special Topics: Patagonian Biodiversity and the Horse Culture. Three credits.

Taught concurrently with NRE 4695.

This experimental course will be taught in the fall semester with a field component.

During winter break, students will travel to the Southern Patagonia of Chile. In the fall semester the students will be introduced to the ecology and biodiversity of Patagonia and how it has been affected by the livestock industry with especial emphasis on the horse.

The field component will take students to several ranches and a national park in the

Chilean Patagonia. Local instructors and students will conduct rapid assessment of the biodiversity and behavioral observations on the ranch as well as wild horses in the area. Socio-cultural aspects will be taught by local instructors and “gauchos” (the local cowboys).

DISCUSSION: There was some discussion about how the course would be listed with the registrar as part of the course is in the fall semester and part in the winter intersession. It was suggested that perhaps it would need to be listed as 1 credit for the fall and 2 credits for the winter intersession. There was some further discussion of whether or not the course is worthy of three credits.

MOTION PASSED CAHNR CC 14-14-119 (1 nay and 2 abstentions)

IV. Report from Academic Programs: None

V. Other Business: A Special Thanks to all the members of the CAHNR CC committee for all their efforts this year on behalf of the college. I hope you all have a GREAT summer. CU in the fall. MD

VI. Time and Place of next meeting. September 18, 2015 1:15 pm 209 WBY

VII. Adjourn 3:22 pm