

UConn | COLLEGE OF LIBERAL ARTS AND SCIENCES

COMMITTEE ON CURRICULA AND COURSES

Jon Gajewski, Chair

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Forms and Website

Discussion of new website and forms.

Approvals by the Chair

None.

Resubmitted Proposals

None.

New Proposals

2013-115 Change Math 3435 Partial Differential Equations

Current Catalog Copy:

3435. Partial Differential Equations

(278) (Also offered as Mathematics 5435.) Three credits. **Prerequisite: MATH 3410 or its equivalent.** Not open for credit to students who have passed MATH 5435.

Solution of first and second order partial differential equations with applications to engineering and the sciences.

Proposed Catalog Copy:

3435. Partial Differential Equations

(278) (Also offered as Mathematics 5435.) Three credits. **Prerequisite: MATH 2410, or MATH 2420, or MATH 2144.** Not open for credit to students who have passed MATH 5435.

Solution of first and second order partial differential equations with applications to engineering and the sciences.

2013-116 Add ENGL 3635 Literature and the Environment

Final catalog Listing:

ENGL 3635. Literature and the Environment.

Three credits. Prerequisite: ENGL 1010 or 1011, or 2011 or 3800. Open to juniors and higher, others with consent.

Ecocritical approaches to literary treatment of global environmental issues.

2013-117 Change ENGL 1103 English for Foreign Students

Current Catalog Copy:

1003. English for Foreign Students

(103) Three credits. Course may be repeated for credit. Graduate students may elect this course.

Instruction in English for non-native speakers of the language.

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Proposed Catalog Copy:

1003. English for Non-Native Speakers

(103) Three credits. Course may be repeated for credit. Graduate students may elect this course.

Instruction in English for non-native speakers of the language.

2013-118 Change ENGL 3403 Modern Poetry in English

Current Catalog Copy:

3403. Modern Poetry in English

(211) Either semester. Three credits. Prerequisite: ENGL 1010 or 1011 or 3800; open to juniors or higher.

Poetry of the 20th century, from the major modernist innovators to significant contemporaries.

Proposed Catalog Copy:

3403. Modern & Contemporary Poetry in English

(211) Three credits. Prerequisite: ENGL 1010 or 1011 or 2011 or 3800; open to juniors or higher.

Poetry since 1900, from major modernist innovators to significant contemporaries.

2013-119 Drop ENGL 3119 and 3119W Modern English Literature

Catalog Copy:

3119. Modern English Literature

(226) Three credits. Prerequisite: ENGL 1010 or 1011 or 2011 or 3800.

Modern literature from the British Isles, including such writers as Yeats, Eliot, Joyce, Woolf, Lawrence, Lessing, and Shaw.

3119W. Modern English Literature

(226W) Prerequisite: ENGL 1010 or 1011 or 2011 or 3800.

2013-120 Drop ENGL 3800 Honors I: Approaches to Literature

Catalog Copy:

3800. Honors I: Approaches to Literature

(250) Three credits. Hours by arrangement. Prerequisite: Open only with consent of instructor. May be used to satisfy the ENGL 1010 or 1011 requirement. Not open for credit to students who have passed ENGL 1010 or 1011. May not be used to satisfy the English major requirements.

Study of a variety of approaches to literature and of their critical assumptions.

2013-121 Change EEB 3247 Limnology

Current Catalog Copy:

3247. Limnology

(247) Four credits. Three class periods and one 4-hour laboratory. Prerequisite: MATH 1120 or 1131; CHEM 1122 or 1124 or 1127 or 1137 or 1147; BIOL 1108; or instructor consent.

Linkages among physical, chemical and biological processes in freshwater habitats.

Proposed Catalog Copy:

3247. Freshwater Ecology

(247) Four credits. Three class periods and one 4-hour laboratory. Prerequisite: MATH 1120 or 1131; CHEM 1122 or 1124 or 1127 or 1137 or 1147; BIOL 1108; or instructor consent.

Linkages among physical, chemical and biological processes in freshwater habitats.

2013-122 Drop EEB 2210, 3209W, 4251W, 4253W

Catalog Copy (**4 courses**):

(i) EEB 2210. Animal Models and Human Evolution (210) Three credits. Prerequisite: Any one of the following: BIOL 1102, 1107 or 1108 or ANTH 2502, or consent of instructor.

Information from a variety of animal models will be used to evaluate and expand upon current hypotheses regarding the evolution of unique hominid traits such as consciousness, language, learning by imitation, an extended period of parental care, and a highly developed and complex social system.

(ii) EEB 3209W. Soil Degradation and Conservation (209W) (Also offered as EEB 5209.) Three credits. Prerequisite: ENGL 1010 or 1011 or 2011 or 3800; open only by instructor consent. Recommended preparation: EEB 2244 or equivalent.

Causes and consequences of soil degradation in agricultural and natural ecosystems, including salinization, erosion, nutrient impoverishment, acidification, and biodiversity loss. Historical perspective and current strategies of soil conservation.

(iii) EEB 4251W. Medical Entomology (284W) Four credits. Prerequisite: BIOL 1108; ENGL 1010 or 1011 or 2011 or 3800.

Content as in EEB 4251; requires major writing assignment.

(iv) EEB 4253W. Concepts of Applied Entomology (288W) Four credits. Two class

periods and one 3-hour laboratory period. Prerequisite: BIOL 1108 or 1110; ENGL 1010 or 1011 or 2011 or 3800.

Control, ecology, economics, damage assessment and detection of insect infestations.

2013-123 Change EEB Major, add EEB 3269

Existing catalog Description of the Major:

Ecology and Evolutionary Biology

Students majoring in Ecology and Evolutionary Biology may opt for either a Bachelor of Arts degree or Bachelor of Science degree. Both B.A. and B.S. degree candidates must complete the following courses in addition to the general CLAS requirements for these degrees:

BIOL1107, and BIOL 1108 or 1110

CHEM 1127Q and 1128Q or CHEM 1124Q, 1125Q, and 1126Q

Requirements for the EEB Major (B.S. or B.A.)

I. Both of the following core courses: EEB 2244 or 2244W and EEB 2245 or 2245W

II. At least one of the following animal diversity courses: EEB 2214, 3254, 3265, 3273, 4200, 4250, 4252, 4274, 4275, or 4260 and 4261

III. At least one of the following plant diversity courses: EEB 3203, 3204, 3220/W, 3240, 3250, 3271, 4272

IV. A course in physiology - EEB 4215 (students who take PNB 2250 as a related course are not required to take EEB 4215).

V. It is recommended that students take at least four EEB courses that require extensive laboratory or field work.

VI. Students are encouraged to complete a course in statistics.

VII. At least 24 credits of EEB courses at the 2000-level or above, which may include courses in I - IV above. A maximum of 3 independent study credits from EEB 3899 may count toward the 24 credit requirement.

VIII. Related Course Requirements: At least 12 credits of 2000-level or above science courses outside EEB, which must include either MCB 2410 or 2413. One semester of organic chemistry is recommended.

IX. To satisfy the Writing in the Major and Information Literacy competency requirements, all students must pass at least one of the following courses: EEB 2244W, 2245W, 3209W, 3220W, 4230W, 4251W, 4253W, 4276W, 4896W, 5335W

A minor in Ecology and Evolutionary Biology is offered. A minor in Bioinformatics is offered jointly by the School of Engineering and the College of Liberal Arts and Sciences. Both programs are described in the "Minors" section of this *Catalog*.

Proposed catalog Description of the Major:

Ecology and Evolutionary Biology

Students majoring in Ecology and Evolutionary Biology may opt for either a Bachelor of Arts degree or Bachelor of Science degree. Both B.A. and B.S. degree candidates must

complete the following courses in addition to the general CLAS requirements for these degrees:

BIOL1107, and BIOL 1108 or 1110

CHEM 1127Q and 1128Q or CHEM 1124Q, 1125Q, and 1126Q

Requirements for the EEB Major (B.S. or B.A.)

I. Both of the following core courses: EEB 2244 or 2244W and EEB 2245 or 2245W

II. At least one of the following animal diversity courses: EEB 2214, 3254, 3265, **3269**, 3273, 4200, 4250, 4252, 4274, 4275, or 4260 and 4261

III. At least one of the following plant diversity courses: EEB 3203, 3204, 3220/W, 3240, 3250, 3271, 4272

IV. A course in physiology - EEB 4215 (students who take PNB 2250 as a related course are not required to take EEB 4215).

V. It is recommended that students take at least four EEB courses that require extensive laboratory or field work.

VI. Students are encouraged to complete a course in statistics.

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A minor in Ecology and Evolutionary Biology is offered. A minor in Bioinformatics is offered jointly by the School of Engineering and the College of Liberal Arts and Sciences. Both programs are described in the "Minors" section of this *Catalog*.

2013-124 Change MCB 3601 Physiology of Archaea and Bacteria

Current Catalog Copy:

MCB3601. Physiology of Archaea and Bacteria

Three credits. Prerequisite: MCB 2000 or 2610 or 3010.

Examination of biochemical energy generation, regulation of metabolism, and cellular structures of archaea and bacteria. Physiological processes as they occur in nature and the biotechnology industry. Analysis of microbial genome sequences using computational methods.

Proposed Catalog Copy:

MCB4601. Physiology of Archaea and Bacteria

Three credits. Prerequisite: MCB 2000, 2610 or 3010.

Examination of biochemical energy generation, regulation of metabolism, and cellular structures of archaea and bacteria. Physiological processes as they occur in nature and biotechnology industries.

2013-125 Add MCB 3602W Introduction to Bioinformatic Tools...

Final catalog Listing:

MCB 3602W. Introduction to Bioinformatic Tools for Microbial Genome Annotation

One credit. One 2-hour computer lab period. Prerequisite: MCB 2000, OR 2610 OR 3010; ENGL 1010 OR 1011 OR 2011 OR 3800.

Analysis of microbial genome sequences using computational tools to examine metabolic pathways and genetic features as they relate to an organism's lifestyle. Writing assignments utilize information gathered from the relevant scientific literature and students' analyses of genome-derived information.

2013-126 Drop MCB 3601W Physiology of Archaea and Bacteria

Catalog Copy:

3601W. Physiology of Archaea and Bacteria

Four credits. Two class periods and one 2-hour computer lab period.

Prerequisite: MCB 2000, 2610 or 3010; ENGL 1010 or 1011 or 2011 or 3800.

2013-127 Add MCB 5670 Theory and Practice of Laboratory...

Final catalog Listing:

MCB 5670. Theory and Practice of Laboratory Techniques in Microbiology

variable credit. Lecture/Laboratory. With change of content, may be repeated for credit. Prerequisites: MCB5427 or consent of instructor.

The course is trains students in techniques, experimental design, sample preparation, quality control, and analysis of data encountered in microbiology laboratories. The course is taught as a series of modules with each module focused on a different technique.

2013-128 Add MCB 5671 Advanced Theory and Practice of ...

Final catalog Listing:

MCB 5671. Advanced Theory and Practice of Laboratory Techniques in Microbiology variable credits Lecture/Laboratory. With change of content, may be repeated for credit. Prerequisites: MCB5670 section 03 or consent of instructor.

Advanced training in microbiology related technologies such as next-generation sequencing and other "omic" techniques including experimental design, sample preparation, library preparation, quality control, analysis of large data sets and processing of large number of samples will be covered. The course is taught as a series of modules with each focused on a different technique.

2013-129 Change BIOL 1102 Foundations of Biology

Current Catalog Copy:

1102. Foundations of Biology

(102) Four credits. Three class periods and one 2-hour laboratory period. Not open for credit to students who have completed a year of advanced biology in high school. Students may not receive more than 12 credits for courses in Biology at the 1000's level.

A laboratory course designed for non-science majors; surveys major biological principles with emphasis on their importance to humans and modern society. A fee of \$10 is charged for this course. CA 3-LAB.

Proposed Catalog Copy:

1102. Foundations of Biology

(102) Four credits. Three class periods and one 2-hour laboratory period. ~~Not open for credit to students who have completed a year of advanced biology in high school.~~ Students may not receive more than 12 credits for courses in Biology at the 1000's level. **Not open to students who passed BIOL 1107 or 1108.**

~~A laboratory course designed for non-science majors; surveys m~~ Major biological principles with emphasis on their importance to humans and modern society; **designed for non-science majors.** A fee of \$10 is charged for this course. CA 3-LAB.

2013-130 Change SLHS 4254 Introduction to Language Dis...

Current Catalog Copy:

4254. Introduction to Language Disorders in Children

Three credits. Prerequisite: SLHS 2204; open to juniors or higher.

Development, measurement, and function of language in children. Emphasis on child language disorders and their causes. Assessment and management strategies in settings including public schools and private clinics.

Proposed Catalog Copy:

4254. Introduction to Language Disorders in Children

Three credits. Prerequisite: SLHS 2204; open to juniors or higher. (Formerly offered as CDIS 4253)

Development, measurement, and function of language in children. Emphasis on child language disorders and their causes. Assessment and management strategies in settings including public schools and private clinics.

2013-131 Change SLHS Major

Existing catalog Description of the Major:

Speech, Language and Hearing Sciences

The Speech, Language, and Hearing Sciences major is a pre-professional program within the liberal arts and sciences curriculum. It provides a broad overview of normal speech, language and hearing development. In addition a variety of speech, language, and hearing disorders are introduced. This major permits the student to apply for graduate studies in one of two specialty areas: audiology or speech-language pathology.

Students who want to learn more about the fields of audiology and speech-language pathology, but are unsure about declaring the major are encouraged to take SLHS 1150. Students may declare the major by going to ppc.uconn.edu.

Successful completion of the B.A. degree in Speech, Language, and Hearing Sciences requires the following:

1. A total of 25 credits at the 2000-level or higher in Speech, Language, and Hearing Sciences.
2. Courses on normal development of speech, language, and hearing including: SLHS 2203, 2204, 2156Q, and 3247.
3. Courses on measurement and disorders of speech, language and hearing including: SLHS 3248, 4249 or 4249W, and two (2) of the following: SLHS 4245

or 4245W, 4251, or 4254 or 4254W.

4. Twelve (12) credits of related coursework. Related courses can be tailored to the interests and needs of the student but must be approved by a Speech, Language, and Hearing Sciences advisor.

5. Nine (9) credits of elective coursework. Elective courses can be any 2000-level or higher course of interest to the student.

6. Students must take one course in each of the following areas:

a. Statistics: STAT 2215Q

b. Biological science: BIOL 1102,1107 or 1108

c. Physical science: PHYS 1010Q or PHYS 1075Q

More advanced level courses may be substituted for the courses listed above.

7. Students must accumulate a total of 25 hours of approved observations of assessment and treatment of speech, language and hearing disorders.

The information literacy competency is met by the successful completion of required courses.

To satisfy the writing requirement in the major, students must pass at least one course from SLHS 4245W, 4249W, or 4254W. Honors students may use SLHS 4296W to satisfy the writing requirement in the major.

Proposed catalog Description of the Major:

Speech, Language and Hearing Sciences

The Speech, Language, and Hearing Sciences major is a pre-professional program within the liberal arts and sciences curriculum. It provides a broad overview of normal speech, language and hearing development. In addition a variety of speech, language, and hearing disorders are introduced. This major permits the student to apply for graduate studies in one of two specialty areas: audiology or speech-language pathology.

Students who want to learn more about the fields of audiology and speech-language pathology, but are unsure about declaring the major are encouraged to take SLHS 1150. Students may declare the major by going to ppc.uconn.edu.

Successful completion of the B.A. degree in Speech, Language, and Hearing Sciences requires the following:

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2. Courses on normal development of speech, language, and hearing including: SLHS 2203, 2204, 2156Q, and 3247.
3. Courses on measurement and disorders of speech, language and hearing

including: SLHS 3248, 4249 or 4249W, and two (2) of the following: SLHS 4245 or 4245W, 4251, or 4254 or 4254W.

4. Twelve (12) credits of related coursework. Related courses can be tailored to the interests and needs of the student but must be approved by a Speech, Language, and Hearing Sciences advisor.

5. Nine (9) credits of elective coursework. Elective courses can be any 2000-level or higher course of interest to the student.

6. Students must take one course in each of the following areas:

a. Statistics: STAT 2215Q

b. Biological science: BIOL 1102,1107 or 1108

c. Physical science: PHYS 1010Q or PHYS 1075Q

More advanced level courses may be substituted for the courses listed above.

7. **It is recommended that students** accumulate a total of 25 hours of approved observations of assessment and treatment of speech, language and hearing disorders.

The information literacy competency is met by the successful completion of required courses.

To satisfy the writing requirement in the major, students must pass at least one course from SLHS 4245W, 4249W, or 4254W. Honors students may use SLHS 4296W to satisfy the writing requirement in the major.

2013-132 [previously 2012-024] Add GEOG 4096W Senior Thesis

1. Date: 3/15/2012

2. Department requesting this course: Geography

3. Semester and year in which course will be first offered: Spring Semester, 2013

Proposed catalog Listing:

GEOG 4096W. Senior Thesis

Either semester. Three credits. Hours by arrangement. Prerequisite: **ENGL 1010 or 1011 or 2011 or 3800**; one **3000-level or above** seminar in geography and/or 3 credits of independent study in geography; open to juniors or higher; open only with consent of instructor and department head.

Obligatory Items

1. Standard abbreviation for Department or Program: GEOG

2. Course Number: 4096W

3. Course Title: Senior Thesis

4. Semester offered: Either semester

5. Number of Credits: Three

6. Course description: Senior Thesis

Optional Items

7. Number of Class Periods: by arrangement

8. Prerequisites, if applicable: An advanced seminar in geography and/or 3 credits of independent study in geography

2013.09.24

9. Recommended Preparation: None
10. Consent of Instructor: Yes
11. Exclusions: only open to juniors or higher
12. Repetition for credit: No
13. Instructor(s) names if they will appear in catalog copy: None
14. Open to Sophomores: No
15. Skill Codes "W", "Q", or "C": W
16. S/U grading: No

Justification

1. Reasons for adding this course: **Senate C&C requests revision of prerequisites - changing 'advanced-level seminar' to '3000-level or above' and adding required W prereqs.**

[2012-024: This would give geography majors completing an undergraduate thesis the ability to satisfy their W requirement.]

2. Academic Merit: Student would receive a full research experience.

3. Overlapping Courses: There is an existing non-W version of the proposed course which will be retained.

4. Number of Students Expected: 1-4

5. Number and Size of Section: Individualized

6. Effects on Other Departments: None

7. Effects on Regional Campuses: None

8. Staffing: Geography Faculty

9. Dates approved: **NEW APPROVAL DATES**

Curriculum Committee: 9/16/2013 Dept. Faculty: 9/18/2013

[Dept. Curriculum Committee: 3/6/2012 Dept. Faculty: 3/7/2012]

10. Name, Phone Number, and e-mail address of principal contact person:

Robert Cromley, robert.cromley@uconn.edu, x-2059

Old Business

Appointment of new chairs of Study Abroad and B.S. subcommittees.

New Business

Discussion of Concentration in Interdisciplinary Disability Studies.