

Departmental Course Proposals for the 11 December 2007 Meeting

A. Proposals upon which action was postponed earlier

Note: proposals postponed earlier for which revisions remain pending at press time appear below in *italics*. Action thereon in this session is unlikely. They will remain provisionally docketed for reference only until revised or withdrawn.

2007 - 147 Proposal to Change GEOL 213

1. Date: Oct. 9, 2007

2. Department: **Center for Integrative Geosciences**

3. Nature of Proposed Change: **Change in course description, prerequisites, and number of credits.**

4. Current Catalog Copy:

GEOL 213. Spring Field Trip

Second semester. Variable credits. Prerequisite: GEOL 250, 251, 252, and 253, one of which may be taken concurrently. Spring field trip during spring break, and supporting research. First 7 weeks: background readings from primary literature and secondary literature. Seven weeks following trip: supervised laboratory research using field samples. One or more short research papers and presentation to the department.

5. Proposed Catalog Copy:

GEOL 213. Spring Field Trip

Second semester. 3 credits. Prerequisites: GEOL 103 or 105, or BIOL 107 or 108, or consent of instructor.

A field-based introduction to the integration of geological and biological observations and processes. Field trip during and weekly meetings before and after spring break.

6. Effective Date: *Immediately*

Justification

Reasons for changing this course: The changes will make the prerequisites and course description consistent with recent practices. This change is designed to provide opportunities for more students to integrate their backgrounds in geology and biology.

Effect on Department's Curriculum: None, but this change will allow more students to fulfill their requirements more efficiently, and it will encourage students to move into a field-based learning environment earlier in their undergraduate careers. Previously, students were required to have completed four 200-level Geol courses prior to enrolling in this field-based course. Now, students will have access to this course after fewer prerequisites.

Other Departments Consulted None.

Effects on Other Departments: None

Effects on Regional Campuses: None

Staffing: No effects on staffing

Dates approved by Department Curriculum Committee: Oct. 9, 2007

Department Faculty: Oct. 9, 2007

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

Timothy Byrne Center for Integrative Geosciences 455 6291 tim.byrne@uconn.edu

2007 - 163 Proposal to Change the Asian American Studies Minor

1. Date: 10/09/07
2. Department requesting this change: **Asian American Studies Institute**
3. Title of Minor: Asian American Studies
4. Nature of Change: **Add 298 course to minor**
5. Existing catalog Description of the Minor: Asian American Studies
Asian American Studies is an interdepartmental, interdisciplinary program devoted to the study of the Asian American experience within the larger context of an increasingly diverse American society. Although the primary focus of the minor is upon Asian Americans, attention is also given to the study of the global context, especially Asia, since this larger context informs the Asian American experience.
Students are required to complete eighteen credits at the 200-level by completion of Sections A, B, C, and D:

Three credits from Section A: AASI 201.

Six credits from Section B: [AASI 215](#), [AASI/ARTH 220](#), [AASI/ENGL 274](#), [AASI/HIST 268](#), [AASI/HIST 294](#), [AASI/HRTS/SOCI 221](#)

Six credits from Section C: [AASI 214](#), [AASI 216](#), [AASI/HRTS/SOCI 222](#), [AASI/HIST 277](#), [AASI/HIST 287](#), [AASI/HIST 288](#), [HIST 221](#); [POLS 279](#); and

Three credits from Section D: [AFAM/ENGL 276W](#); [AFAM/HIST/HRTS 238](#); [ANTH/PRLS 241](#); [AFAM/HRTS/SOCI 235](#), [236](#); [COMM 232/PRLS 260](#); [DRAM 213](#); [AFAM/HIST 246](#); [HIST/ WS 215](#); [PRLS 295](#).

Additionally with the approval of the Minor Advisor, a three-credit independent study course with substantial Asian American or Asian content may also be counted towards the minor in lieu of a course in either section B and or C.

This minor is offered by the [Asian American Studies](#) Minor Advisor, Director, Asian American Studies Institute, 422 Beach Hall, Rm. 417. For more information, e-mail Asiadm01@uconnvm.uconn.edu or phone (860) 486-4751.

6. Proposed catalog Description of the Minor:

Asian American Studies

Asian American Studies is an interdepartmental, interdisciplinary program devoted to the study of the Asian American experience within the larger context of an increasingly diverse American society. Although the primary focus of the minor is upon Asian Americans, attention is also given to the study of the global context, especially Asia, since this larger context informs the Asian American experience.

Students are required to complete eighteen credits at the 200-level by completion of Sections A, B, C, and D:

Three credits from Section A: [AASI 201](#).

***AASI 298**

***Must be approved by the Asian American Studies Minor Advisor**

Six credits from Section B: [AASI 215](#), [AASI/ARTH 220](#), [AASI/ENGL 274](#), [AASI/HIST 268](#), [AASI/HIST 294](#), [AASI/HRTS/SOCI 221](#)

Six credits from Section C: [AASI 214](#), [AASI 216](#), [AASI/HRTS/SOCI 222](#), [AASI/HIST 277](#), [AASI/HIST 287](#), [AASI/HIST 288](#), [HIST 221](#); [POLS 279](#); and

Three credits from Section D: [AFAM/ENGL 276W](#); [AFAM/HIST/HRTS 238](#); [ANTH/PRLS 241](#); [AFAM/HRTS/SOCI 235](#), [236](#); [COMM 232/PRLS 260](#); [DRAM 213](#); [AFAM/HIST 246](#); [HIST/ WS 215](#); [PRLS 295](#).

Additionally with the approval of the Minor Advisor, a three-credit independent study course with substantial Asian American or Asian content may also be counted towards the minor in lieu of a course in either section B and or C.

Additionally with the approval of the Minor Advisor, a three-credit independent study course with substantial Asian American or Asian content may also be counted towards the minor in lieu of a course in either section B and or C.

*AASI 298 must be approved by the Asian American Studies Minor Advisor.

This minor is offered by the [Asian American Studies](#) Minor Advisor, Director, Asian American Studies Institute, Beach Hall, and Rm. 417. For more information, e-mail Roger.Buckley@uconn.edu or phone (860) 486-4751.

7. Effective Date (semester, year -- see [Note R](#)):

(Note that changes will be effective immediately unless a specific date is requested.)

Justification

1. Why is a change required? We would like to add an option to take a AASI 298 course with the approval of the Minor Advisor. We have two new faculty members who will be developing new courses as well as current faculty members who will be developing new courses.
 2. What is the impact on students? It will make it possible for students have a wider range of courses to choose from.
 3. What is the impact on regional campuses? It will provide the same opportunity for students at a regional campus.
 4. Attach a revised "Minor Plan of Study" form to this proposal (see Note P).
5. Dates approved by (see [Note Q](#)):
Department Curriculum Committee:
Department Faculty:
6. Name, Phone Number, and e-mail address of principal contact person:
Roger N. Buckley 486-4751 Roger.Buckley@uconn.edu

[Attach Minor Plan Here]

B. New Departmental Proposals

2007 - 181 Proposal to Change PHYS 230

1. Date: 11-12-2007
2. Department: **Physics**
3. Nature of Proposed Change: a) **Change prerequisites,**
b) **Provisions for Information Literacy Competency**
4. Current Catalog Copy:

230. The Development of Quantum Physics

Second semester. Three credits. Prerequisite: [PHYS 132](#) or [142](#) or [PHYS 152](#), which may be taken concurrently; or [PHYS 122](#) with consent of instructor. Open to sophomores or higher.

The inadequacies of classical physical concepts in the submicroscopic domain. The revision of physical principles that led to special relativity and modern quantum theory. Application to topics chosen from atomic and molecular physics, solid state physics, nuclear physics and elementary particle physics.

5. Proposed Catalog Copy:

230. The Development of Quantum Physics

Second semester. Three credits. Prerequisite: PHYS 123 or 125 or [PHYS 132](#) or [142](#) or [PHYS 152](#), which may be taken concurrently; or [PHYS 122](#) with consent of instructor.

The inadequacies of classical physical concepts in the submicroscopic domain. The revision of physical principles that led to special relativity and modern quantum theory. Application to topics chosen from atomic and molecular physics, solid state physics, nuclear physics and elementary particle physics. Provisions for the students to achieve Information Literacy Competency are included in the course.

6. Effective Date (immediately):

Justification

1. Reasons for changing this course:

a) By an oversight, PHYS 123 or 125 had been left out from the previous list of prerequisites. By including the PHYS 123 prerequisite, it is possible for students who had not intended to become physics majors to do so. Ditto for engineering students who took PHYS 125, who then can opt to take the Bachelor of Science in Engineering Physics

b) Of the two courses required for physics majors, that permit students to acquire Information Literacy Competency, 230 is one of them, 258W the other. Informing the students of where they will learn about Information Literacy Competency is the purpose of this change.

2. Effect on Department's Curriculum: none

3. Other Departments Consulted none:

4. Effects on Other Departments: none

5. Effects on Regional Campuses: none

6. Staffing:

7. Dates approved by:

Department Curriculum Committee: 11-01-07

Department Faculty: 11-08-07

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

George Rawitscher, 6-4377, George.Rawitscher@uconn.edu

2007 - 181 Proposal to Change PHYS 258WC-259C

1. Date: 11-12-2007

2. Department: **Physics**

3. Nature of Proposed Change: **include reference to provisions for Information Literacy Competency**

4. Current Catalog Copy:

258WC-259C. Laboratory in Electricity, Magnetism, and Mechanics

Both semesters. Three credits each semester. One class period, one 3-hour laboratory period, and additional assignments on the theoretical interpretation of experiments. One hour lecture per week. Time by arrangement. A written presentation of methods and results is required for each experiment.

Prerequisites: First semester, [PHYS 121](#) or [131](#) or [141](#) or [151](#); Second semester, [PHYS 122](#) or [132](#) or [142](#) or [152](#). Both semesters prerequisite: [ENGL 110](#) or [111](#) or [250](#). Open to sophomores or higher.

Experiments with mechanical phenomena. Experiments with electric and magnetic phenomena, including their interaction with matter. The handling of experimental data. The use of computers in experimental physics.

5. Proposed Catalog Copy:

258WC-259C. Laboratory in Electricity, Magnetism, and Mechanics

Both semesters. Three credits each semester. One class period, one 3-hour laboratory period, and additional assignments on the theoretical interpretation of experiments. One hour lecture per week. Time by arrangement. A written presentation of methods and results is required for each experiment. Prerequisites: First semester, [PHYS 121](#) or [131](#) or [141](#) or [151](#); Second semester, [PHYS 122](#) or [132](#) or [142](#) or [152](#). Both semesters prerequisite: [ENGL 110](#) or [111](#) or [250](#). Open to sophomores or higher.

Experiments with mechanical phenomena. Experiments with electric and magnetic phenomena, including their interaction with matter. The handling of experimental data. The use of computers in experimental physics. Provisions for the students to achieve Information Literacy Competency are included in PHYS 258W

6. Effective Date (immediately):

Justification

1. Reasons for changing this course:

Information Literacy Competency is now required for students in physics. Provisions for the students to meet these requirements are included in PHYS 258W, and also in PHYS 230. Informing the students of where they will learn about Information Literacy Competency is the purpose of this change.

2. Effect on Department's Curriculum: none

3. Other Departments Consulted: none

4. Effects on Other Departments: none

5. Effects on Regional Campuses: none

6. Staffing:

7. Dates approved by:

Department Curriculum Committee: 11-01-07

Department Faculty: 11-08-07

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

George Rawitscher, 6-4377, George.Rawitscher@uconn.edu

2007 - 182 Proposal to Change PHYS 292W

1. Date: 11-12-2007
2. Department: **Physics**
3. Nature of Proposed Change: **include reference to provisions for Information Literacy Competency**
4. Current Catalog Copy:

292W. Research Thesis in Physics

Either semester. Three credits. Hours by arrangement. Prerequisite: [ENGL 110](#) or [111](#) or [250](#). Open only with instructor consent.

Research investigation for the advanced undergraduate. Research and writing of a Thesis are required. Final public presentation is recommended.

5. Proposed Catalog Copy:

292W. Research Thesis in Physics

Either semester. Three credits. Hours by arrangement. Prerequisite: [ENGL 110](#) or [111](#) or [250](#). Open only with instructor consent.

Research investigation for the advanced undergraduate. Research and writing of a Thesis are required. Provisions for the students to achieve Information Literacy Competency are included in the course. Final public presentation is recommended.

6. Effective Date (immediately):

Justification

1. Reasons for changing this course:

Information Literacy Competency is now required for students in physics. In addition to the courses PHYS 258W, and PHYS 230 that teach students how to acquire Information Literacy Competency, PHYS 292 also has such provisions. Informing the students of where they will learn about Information Literacy Competency is the purpose of this change.

2. Effect on Department's Curriculum: none

3. Other Departments Consulted none:

4. Effects on Other Departments: none

5. Effects on Regional Campuses: none

6. Staffing:

7. Dates approved by:

Department Curriculum Committee: 11-01-07

Department Faculty: 11-08-07

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

George Rawitscher, 6-4377, George.Rawitscher@uconn.edu

2007 - 183 Proposal to Add PNB 3XXX

1. Date: **Nov. 27, 2007**
2. Department requesting this course: **Physiology & Neurobiology**
3. Semester and year in which course will be first offered: **Fall 2008**

Final catalog Listing

3xxx. Field Study in Physiology and Neurobiology

Either semester. One to four credits.

Hours by arrangement. Open with consent of department head. May be repeated for a total of up to 6 credits. May be applied towards the major with permission of department head subject to the PNB major's 3-credit research group limitation. Students taking this course will be assigned a final grade of S (satisfactory) or U (unsatisfactory).

Supervised field work at an off-campus research organization or business. Activities that meet objectives consistent with a major in Physiology and Neurobiology must be planned and agreed upon in advance by the job site supervisor, the faculty coordinator and the student. One credit may be earned for each 42 hours of pre-approved activities up to a maximum of 4 credits

Justification

1. Reasons for adding this course: (see Note L)

The course will provide our students with an opportunity to obtain experience and training that is not available on campus.

2. Academic Merit (see Note L):

Prior to registering for this course students must submit a field-study proposal (draft of proposed "Field Study Proposal" form is attached) that will be evaluated by the department head or his/her designee for academic merit and relevance towards educational and professional goals consistent with the PNB major. Final approval of the field-study proposal will require a written agreement with the field-site supervisor.

3. Overlapping Courses (see Note M):

None.

4. Number of Students Expected:

??

5. Number and Size of Section:

??

6. Effects on Other Departments (see Note N):

None

7. Effects on Regional Campuses:

None

8. Staffing (see Note P):

No additional staff required

9. Dates approved by (see Note Q):

Department Curriculum Committee: Nov. 16, 2007

Department Faculty: Nov. 16, 2007

10. Contact person: Andrew Moiseff, 6-6373, moiseff@uconn.edu

DRAFT

**University of Connecticut
College of Liberal Arts & Sciences
Department of Physiology and Neurobiology**

Field Study Proposal – Request for Approval

1. Name
2. Peoplesoft ID
3. NetID

4. Field Study Title:

5. Field Study Location
6. Field Study on-site supervisor:

7. Number of Hours/week (One credit may be earned for each 42 hours of pre-approved activities up to a maximum of 4 credits):
8. Describe the activities that you will carry out

9. Explain how this will supplement your educational or professional training

10. (All PNB field-studies must include a UConn 'deliverable') Describe the deliverable – e.g., project report, presentation at professional society. etc.

Department Approvals:

No. Credits approved:

- 1) Faculty Sponsor
- 2) Advisor
- 3) Department Head (or designee)

- 4) Final approval requires agreement by on-site supervisor

2007 - 184 Proposal to Change the PNB Major

1. Date: November 27, 2007

2. Department requesting this change: **Physiology and Neurobiology**

3. Title of Major: **Physiology and Neurobiology**

4. Nature of Change: **Add PNB 3xxx “Field Study in Physiology and Neurobiology” to the list of courses subject to a 3-credit limitation for counting towards the major.**

5. Existing catalog Description of the PNB Major:

The following 100's level courses are required:

BIOL 107, 108; CHEM 124-126 or 127-128; MATH 115-116 or 112-113-114; PHYS 131-132 or 121-122-123 or 141-142-143 PNB majors must take no fewer than 24 credits in PNB courses numbered 200 and above. This must include all of the following core courses: PNB 274-275, 251, 262. The remaining credits needed to fulfill this requirement should be selected from the available PNB courses, including PNB 225, 250, 252, 260, 263W, 280, 292W, 298, 299. (At most 3 credits from among PNB 298 and 299 may count towards the 24 credit requirement.)

PNB majors must also take all of the following courses, which count as the related group: CHEM 243, 244; MCB 203 or 204 and either MCB 200 or 213.

In addition, students are urged to take: CHEM 245; EEB 244 or 244W or 245 or 245W; and MCB 210. To satisfy the writing in the major and information literacy competency requirements, all students must pass at least one of the following courses: PNB 263WQ, PNB 292W, EEB 244W, or EEB 245W.

6. Proposed catalog Description of the PNB Major: (Changes are underlined)

The following 100's level courses are required:

BIOL 107, 108; CHEM 124-126 or 127-128; MATH 115-116 or 112-113-114; PHYS 131-132 or 121-122-123 or 141-142. PNB majors must take no fewer than 24 credits in PNB courses numbered 200 and above. This must include all of the following core courses: PNB 274-275, 251, 262. The remaining credits needed to fulfill this requirement should be selected from the available PNB courses, including PNB 225, 250, 252, 260, 263W, 280, 281, 292W, 298, 299. (At most 3 credits from among PNB 3xxx, 298 and 299 may count towards the 24 credit requirement.)

PNB majors must also take all of the following courses, which count as the related group: CHEM 243, 244; MCB 203 or 204, and MCB 200 or 213.

In addition, students are urged to take: CHEM 245; EEB 244 or 244W or 245 or 245W; and MCB 210. To satisfy the writing in the major and information literacy competency requirements, all students must pass at least one of the following courses: PNB 263WQ, PNB 292W, EEB 244W, or EEB 245W.

7. Effective Date (semester, year): Fall 2008.

Justification

1. Why is a change required?

We have co-submitted a request to add PNB 3xxx “Field Study in Physiology and Neurobiology” to the PNB curriculum, which, with the department head's permission may count towards the major. PNB places a 3-credit limitation on the number of credits of “independent study” type courses that can be applied to the major to ensure that the bulk of credits are earned in classes that are taught regularly and readily available to all students, thus providing a more consistent education for our majors.

2. What is the impact on students?

This provides students with an additional opportunity to gain research experience that can be applied towards the major.

3. What is the impact on regional campuses?

None.

4. Dates approved by:

Department Curriculum Committee: 11/16/2007

Department Faculty: 11/16/2007

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

Andrew Moiseff, 6-6373, moiseff@uconn.edu