CALIFORNIA STATE UNIVERSITY CHANNEL ISLANDS

COURSE MODIFICATION PROPOSAL

Courses must be submitted by November 2, 2009, to make the next catalog (2010–2011) production

DATE (CHANGE DATE EACH TIME REVISED): 9/29/2009 REV 11.2.09
PROGRAM AREA(S): CHEMISTRY

Directions: All of sections of this form must be completed for course modifications. All documents are stand alone sources of course information.

1. Course Information.
   [Follow accepted catalog format.] (Add additional prefixes if cross-listed)

   OLD
   Prefix CHEM Course# 494 Title INDEPENDENT RESEARCH Units (1-3)
   Hours lecture per week 1-3 hours activity per week
   Prerequisites: x Consent of Instructor Required for Enrollment
   Catalog Description (Do not use any symbols):
   Provides student credit for independent research (laboratory or library) that culminates in a written and oral report. Repeatable.

   NEW
   Prefix CHEM Course# 494 Title INDEPENDENT RESEARCH Units (1-3)
   Hours lecture per week 1-3 hours activity per week
   Prerequisites: x Consent of Instructor Required for Enrollment
   Catalog Description (Do not use any symbols):
   Provides student credit for independent laboratory research. Repeatable.

   General Education Categories CR/NC
   Lab Fee Requested
   Course Level: Undergraduate
   Post-bac/Credential
   Graduate
   Graded
   Repeatable for up to units
   Total Completions
   Multiple Enrollment in same semester
   (Student’s choice)

   Existing Hegis Code(s) (Provided by the Dean)

   Proposed

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<th>Hours Per Unit</th>
<th>Benchmark Enrollment</th>
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<td>Lab</td>
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<td>Activity</td>
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2. Mode of Instruction (Hours per Unit are defaulted)

3. Course Attributes:
General Education Categories: All courses with GE category notations (including deletions) must be submitted to the GE website: http://summit.csuci.edu/geapproval. Upon completion, the GE Committee will forward your documents to the Curriculum Committee for further processing.

A (English Language, Communication, Critical Thinking)
- A-1 Oral Communication
- A-2 English Writing
- A-3 Critical Thinking

B (Mathematics, Sciences & Technology)
- B-1 Physical Sciences
- B-2 Life Sciences – Biology
- B-3 Mathematics – Mathematics and Applications
- B-4 Computers and Information Technology

C (Fine Arts, Literature, Languages & Cultures)
- C-1 Art
- C-2 Literature Courses
- C-3a Language
- C-3b Multicultural

D (Social Perspectives)

E (Human Psychological and Physiological Perspectives)

UDIGE/INTD Interdisciplinary
- Meets University Writing Requirement
- Meets University Language Requirement

American Institutions, Title V Section 40404: Government US Constitution US History
Refer to website, Exec Order 405, for more information: http://senate.csuci.edu/comm/curriculum/resources.htm

Service Learning Course (Approval from the Center for Community Engagement must be received before you can request this course attribute).

4. Justification and Requirements for the Course. [Make a brief statement to justify the need for the course]

OLD
This course provides students with the opportunity to perform an internship or do service learning.

NEW
This course provides students with the opportunity to perform independent research under the supervision of chemistry faculty member.

Submit Program Modification if this course changes your program.

5. Learning Objectives. (List in numerical order. You may wish to visit resource information at the following website: http://senate.csuci.edu/comm/curriculum/resources.htm)

OLD
Students who successfully complete this course will be able to:
- Discuss the subject matter related to the independent research experience
- Apply the knowledge obtained in prior Chemistry courses to the independent research experience

NEW
Students who successfully complete this course will be able to:
- Discuss the subject matter related to the independent research experience
- Apply the knowledge obtained in prior Chemistry courses to the independent research experience

6. Course Content in Outline Form. (Be as brief as possible, but use as much space as necessary)

OLD

NEW
Does this course content overlap with a course offered in your academic program? Yes ☐ No ☒
If YES, what course(s) and provide a justification of the overlap.

Does this course content overlap a course offered in another academic area? Yes ☐ No ☒
If YES, what course(s) and provide a justification of the overlap.

Overlapping courses require Chairs’ signatures.

7. Cross-listed Courses (Please note each prefix in item No. 1)
   A. List cross-listed courses (Signature of Academic Chair(s) of the other academic area(s) is required).
   B. List each cross-listed prefix for the course: ☐
   C. Program responsible for staffing: ☐

8. References. [Provide 3-5 references]

OLD

NEW

9. Tenure Track Faculty qualified to teach this course.

Simone Aloisio, Blake Gillespie, Phil Hampton

10. Requested Effective Date or First Semester offered: Fall 2010

11. New Resource Requested: Yes ☐ No ☒
If YES, list the resources needed.
   A. Computer Needs (data processing, audio visual, broadcasting, other equipment, etc.)
   B. Library Needs (streaming media, video hosting, databases, exhibit space, etc.)
   C. Facility/Space/Transportation Needs:
   D. Lab Fee Requested: Yes ☐ No ☒ (Refer to the Dean’s Office for additional processing)
   E. Other. ☐

12. Indicate Changes and Justification for Each. [Check all that apply and follow with justification. Be as brief as possible but, use as much space as necessary.]
   Course title ☐
   Prefix/suffix ☐
   Course number ☐
   Units ☐
   Staffing formula and enrollment limits ☐
   Prerequisites/Corequisites ☐
   Catalog description ☐
   Mode of Instruction ☐
   Course Content ☐
   Course Learning Objectives ☐
   References ☐
   GE ☐
   Other Grading ☐
   Reactivate Course ☐
**Justification:** The department met and decided that credit/no-credit was a more appropriate grading scheme for this type of course. Students typically either did the work required or did not. The course description was also updated to reflect the nature of the course more accurately.

13. **Will this course modification alter any degree, credential, certificate, or minor in your program?** Yes [ ] No [x]
   
   If, YES attach a program update or program modification form for all programs affected.
   
   Priority deadline for New Minors and Programs: **October 5, 2009** of preceding year.
   
   Priority deadline for Course Proposals and Modifications: **November 2, 2009**.
   
   Last day to submit forms to be considered during the current academic year: **April 15th**.

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**Simone Aloisio**

9/29/2009

Proposer(s) of Course Modification

Type in name. Signatures will be collected after Curriculum approval.

Date
Approval Sheet

Course:  
If your course has a General Education Component or involves Center affiliation, the Center will also sign off during the approval process.

Multiple Chair fields are available for cross-listed courses.

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<td>General Education Chair</td>
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<tr>
<td>Center for Intl Affairs Director</td>
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<td>Center for Integrative Studies Director</td>
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<tr>
<td>Center for Multicultural Engagement Director</td>
<td>Signature</td>
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<tr>
<td>Center for Civic Engagement and Service Learning Director</td>
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<td>Curriculum Chair</td>
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<td>Dean of Faculty</td>
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