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)*  

<table>
<thead>
<tr>
<th>OLD</th>
<th>NEW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefix CHEM</td>
<td>Prefix CHEM</td>
</tr>
<tr>
<td>Course# 497</td>
<td>Course# 497</td>
</tr>
<tr>
<td>Title DIRECTED STUDIES</td>
<td>Title DIRECTED STUDIES</td>
</tr>
<tr>
<td>Units (1-3)</td>
<td>Units (1-3)</td>
</tr>
<tr>
<td>1 hours lecture per week</td>
<td>1 hours lecture per week</td>
</tr>
<tr>
<td></td>
<td>1 hours independent study per week</td>
</tr>
<tr>
<td>Prerequisites:</td>
<td>Prerequisites:</td>
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<tr>
<td>x Consent of Instructor Required for Enrollment</td>
<td>x Consent of Instructor Required for Enrollment</td>
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<tr>
<td>Corequisites:</td>
<td>Corequisites:</td>
</tr>
<tr>
<td>Catalog Description (Do not use any symbols):</td>
<td>Catalog Description (Do not use any symbols):</td>
</tr>
<tr>
<td>Provides student credit for curricular activities under the direction of a Chemistry faculty member. Repeatable.</td>
<td>Provides student credit for curricular activities under the direction of a Chemistry faculty member. Repeatable up to 6 units.</td>
</tr>
</tbody>
</table>

**General Education Categories**  
- CR/NC  
- Lab Fee Requested  
- Undergraduate  
- Post-bac/Credential Graduate  
- Optional (Student’s choice)  
- Multiple Enrollment in same semester  

**Course Level:**  
- Undergraduate  
- Post-bac/Credential Graduate  
- Optional (Student’s choice)  
- Multiple Enrollment in same semester  

**Graded:**  
- CR/NC  
- A - F  
- Repeatable for up to ___ units Total Completions  

**Lab Fee Requested:**  
- A - F  
- Repeatable for up to ___ units Total Completions  

**Course Level:**  
- Undergraduate  
- Post-bac/Credential Graduate  
- Optional (Student’s choice)  
- Multiple Enrollment in same semester  

**Graded:**  
- CR/NC  
- A - F  
- Repeatable for up to ___ units Total Completions  

2. Mode of Instruction (Hours per Unit are defaulted)  

<table>
<thead>
<tr>
<th>Existing</th>
<th>Proposed</th>
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<tbody>
<tr>
<td><strong>Units</strong></td>
<td><strong>Units</strong></td>
</tr>
<tr>
<td>Lecture</td>
<td>1-3</td>
</tr>
<tr>
<td>Seminar</td>
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<tr>
<td>Lab</td>
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<tr>
<td>Activity</td>
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<tr>
<td>Field Studies</td>
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<tr>
<td>Indep Study</td>
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<tr>
<td>Other blank</td>
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<tr>
<td>Lecture</td>
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<td>Seminar</td>
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<tr>
<td>Indep Study</td>
<td>1-3</td>
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<tr>
<td>Other blank</td>
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</table>
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 will provide a mechanism for students to examine a chemical or biochemical topic with a Chemistry advisor.

NEW
This course will provide a mechanism for students to examine a chemical or biochemical topic with a Chemistry advisor.

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 examined in the course
- Explain the scientific principles underlying the chemical or biochemical topic

NEW
Students who successfully complete this course will be able to:
- Discuss the subject matter examined in the course
- Explain the scientific principles underlying the chemical or biochemical topic

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 ☒
    x 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.

13. Will this course modification alter any degree, credential, certificate, or minor in your program? Yes ☐ No ☒

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.

Simone Aloisio
9/29/2009

Proposer(s) of Course Modification
Date

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

<table>
<thead>
<tr>
<th>Role</th>
<th>Signature</th>
<th>Date</th>
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<tbody>
<tr>
<td>Program Chair</td>
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<td>Program Chair</td>
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<td>Program Chair</td>
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<tr>
<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>
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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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<tr>
<td>Dean of Faculty</td>
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</tbody>
</table>