

CALIFORNIA STATE UNIVERSITY CHANNEL ISLANDS

COURSE MODIFICATION PROPOSAL

**Courses must be submitted by October 15, 2014, and finalized by the end of the fall semester to make the next catalog (2015-16) production**

DATE (CHANGE DATE EACH TIME REVISED): 10/26/14, 12/17/2014, 2/11/15

PROGRAM AREA(S): **BIOLOGY** COURSE NO: **492**

**Directions: All sections of this form must be completed. Use YELLOWED areas to enter data. All documents are stand-alone sources of course information.**

**1. Indicate Changes and Justification for Each.** [Mark all change areas that apply]

- |   |   |
|---|---|
| <input type="checkbox"/> Course title                           | <input type="checkbox"/> Course Content                 |
| <input type="checkbox"/> Prefix/suffix                          | <input type="checkbox"/> Course Learning Outcomes       |
| <input type="checkbox"/> Course number                          | <input type="checkbox"/> References                     |
| <input type="checkbox"/> Units                                  | <input type="checkbox"/> GE                             |
| <input type="checkbox"/> Staffing formula and enrollment limits | <input type="checkbox"/> Other <input type="checkbox"/> |
| <input type="checkbox"/> Prerequisites/Corequisites             | <input type="checkbox"/> Reactivate Course              |
| <input checked="" type="checkbox"/> X Catalog description       |   |
| <input type="checkbox"/> Mode of Instruction                    |   |

**Justification:** ☐

(Please provide justification(s) for each marked item above). Be as brief as possible but use as much space as necessary.]:

**BIOL 492/494/497 courses originally required students to make a presentation of their work in BIOL 499, which was originally offered as a colloquium. In 2006 the format of BIOL 499 was changed extensively and is not longer a colloquium course. We would like to remove the text describing the colloquium presentation from the descriptions of BIOL 492/494/497 since this is no longer required.**

**2. Course Information.**

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

**OLD**

Prefix BIOL Course# 492  
Title Internship **Units (2)**  
☐ hours lecture per week  
6 hours independent study per week

X Prerequisites: Consent of instructor and program approval.

☒ Consent of Instructor Required for Enrollment

☐ Corequisites: ☐

**Catalog Description** (Do not use any symbols):

Supervised work and study in work situations involving biological research and technical skills. May involve service learning. **All students are required to attend the Biology Program Senior Capstone Colloquium to present their projects. Graded credit/no credit.**

General Education Categories: ☐

Grading Scheme (Select one below):

☐ A – F

X Credit/No Credit

**NEW**

Prefix BIOL Course# 492  
Title Internship **Units (2)**  
☐ hours lecture per week  
6 hours independent study per week

X Prerequisites: Consent of instructor and program approval.

☒ Consent of Instructor Required for Enrollment

☐ Corequisites: ☐

**Catalog Description** (Do not use any symbols):

Supervised work and study in work situations involving biological research and technical skills. May involve service learning.

General Education Categories: ☐

Grading Scheme (Select one below):

☐ A – F

X Credit/No Credit

☐ Optional (Student's Choice)  
 Repeatable for up to 6 units  
 Total Completions ☐  
 Multiple Enrollment in Same Semester Y/N N  
 Course Level:  
 X Undergraduate  
☐ Post-Baccalaureate  
☐ Graduate

☐ Optional (Student's Choice)  
 Repeatable for up to 6 units  
 Total Completions ☐  
 Multiple Enrollment in Same Semester Y/N N  
 Course Level:  
 X Undergraduate  
☐ Post-Baccalaureate  
☐ Graduate

### 3. Mode of Instruction (Hours per Unit are defaulted)

Hegis Code(s) \_\_\_\_\_  
 (Provided by the Dean)

#### Existing

#### Proposed

|                    | Units                    | Hours Per Unit | Benchmark Enrollment     | Graded                   |               | Units                    | Hours Per Unit | Benchmark Enrollment     | Graded                   | CS No. (filled out by Dean) |
|--------------------|--------------------------|----------------|--------------------------|--------------------------|---------------|--------------------------|----------------|--------------------------|--------------------------|-----------------------------|
| Lecture            | <input type="checkbox"/> | <u>1</u>       | <input type="checkbox"/> | <input type="checkbox"/> | Lecture       | <input type="checkbox"/> | <u>1</u>       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>    |
| Seminar            | <input type="checkbox"/> | <u>1</u>       | <input type="checkbox"/> | <input type="checkbox"/> | Seminar       | <input type="checkbox"/> | <u>1</u>       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>    |
| Lab                | <input type="checkbox"/> | <u>3</u>       | <input type="checkbox"/> | <input type="checkbox"/> | Lab           | <input type="checkbox"/> | <u>3</u>       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>    |
| Activity           | <input type="checkbox"/> | <u>2</u>       | <input type="checkbox"/> | <input type="checkbox"/> | Activity      | <input type="checkbox"/> | <u>2</u>       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>    |
| Field Studies      | <input type="checkbox"/> |                | <input type="checkbox"/> | <input type="checkbox"/> | Field Studies | <input type="checkbox"/> |                | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>    |
| <b>Indep Study</b> | <b><u>2-3</u></b>        |                | <b><u>10</u></b>         | <input type="checkbox"/> | Indep Study   | <b><u>2</u></b>          |                | <b><u>10</u></b>         | <input type="checkbox"/> | <input type="checkbox"/>    |
| Other blank        | <input type="checkbox"/> |                | <input type="checkbox"/> | <input type="checkbox"/> | Other blank   | <input type="checkbox"/> |                | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>    |
| Online             | <input type="checkbox"/> |                | <input type="checkbox"/> | <input type="checkbox"/> | Online        | <input type="checkbox"/> |                | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>    |

### 4. Course Attributes:

☐ **General Education Categories:** All courses with GE category notations (including deletions) must be submitted to the GE website: <http://summit.csuci.edu/ge>  
 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 (Graduation Writing Assessment Requirement)**

#### **Meets University Language Requirement**

☐ **American Institutions, Title V Section 40404:** ☐ Government ☐ US Constitution ☐ US History  
 Regarding 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).

☐ **Online Course** (Answer YES if the course is ALWAYS delivered online).

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

**OLD**

1. This is an upper division elective course designed to provide biology majors with relevant industrial and research experience in the practical applications of the knowledge and skills they have gained in their undergraduate program.

**NEW**

1. This is an upper division elective course designed to provide biology majors with relevant industrial and research experience in the practical applications of the knowledge and skills they have gained in their undergraduate program.

☐ Requirement for the Major/Minor  
☒ Elective for the Major/Minor  
☐ Free Elective

☐ Requirement for the Major/Minor  
☒ Elective for the Major/Minor  
☐ Free Elective

**Submit Program Modification if this course changes your program.**

**6. Student Learning Outcomes.** (List in numerical order. Please refer to the Curriculum Committee's "Learning Outcomes" guideline for measurable outcomes that reflect elements of Bloom's Taxonomy: <http://senate.csuci.edu/comm/curriculum/resources.htm>. The committee recommends 4 to 8 student learning outcomes, unless governed by an external agency (e.g., Nursing).

Upon completion of the course, the student will be able to:

**OLD**

1. Explain the processes and methods used in industrial and/or research settings.
2. Apply the concepts and principles learned in biology courses to the industrial and/or research arena.
3. Design experiments to test scientific hypotheses.
4. Analyze data and apply appropriate statistical tests.
5. Evaluate research outcomes.

Upon completion of the course, the student will be able to:

**NEW**

1. Explain the processes and methods used in industrial and/or research settings.
2. Apply the concepts and principles learned in biology courses to the industrial and/or research arena.
3. Design experiments to test scientific hypotheses.
4. Analyze data and apply appropriate statistical tests.
5. Evaluate research outcomes.

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

**OLD**

Course content will vary by student.

**NEW**

Course content will vary by student.

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.

**8. 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: ☐

**9. References.** *[Provide 3-5 references]*

OLD N/A

NEW N/A

**10. Tenure Track Faculty qualified to teach this course.**

All Biology TT faculty

**11. Requested Effective Date or First Semester offered: Fall 2015**

**12. 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.**

☐

**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.

Deadline for New Minors and Programs: **October 1, 2014.**

Deadline for Course Proposals and Modifications, and for Program Modifications: **October 15, 2014.**

Last day to submit forms to be considered during the current academic year: **April 1, 2015.**

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Amy Denton

**10/15/14**

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Proposer(s) of Course Modification

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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.

The CI program review process includes a report from the respective department/program on its progress toward accessibility requirement compliance. By signing below, I acknowledge the importance of incorporating accessibility in course design.

|   |  |      |
|---|--|------|
| Program Chair   |  |      |
| Signature   |  | Date |
| Program Chair   |  |      |
| Signature   |  | Date |
| Program Chair   |  |      |
| Signature   |  | Date |
| General Education Chair                                   |  |      |
| Signature   |  | Date |
| Center for Intl Affairs Director                          |  |      |
| Signature   |  | Date |
| Center for Integrative Studies Director                   |  |      |
| Signature   |  | Date |
| Center for Multicultural Engagement Director              |  |      |
| Signature   |  | Date |
| Center for Civic Engagement and Service Learning Director |  |      |
| Signature   |  | Date |
| Curriculum Chair  |  |      |
| Signature   |  | Date |
| AVP   |  |      |
| Signature   |  | Date |