

BIOL 4940.007, INTERNSHIP IN BIOLOGY

SPRING 2020

Instructor:	Mark A. Grobner	Office Hours:	MW 10:00 - 11:00
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COURSE INFORMATION

University Course Catalog Description

Supervised work in an agency or business related to the biological sciences. Six to twelve hours per week. A weekly one-hour seminar will be held to discuss career-related topics and the work experience aspect of the course. Course may be repeated, but a maximum of 2 units may be applied toward a biology degree.

Prerequisites: Junior- or senior-level biology major and consent of instructor.

Offered: (Fall, Spring)

Course Description

Service-Learning is a teaching and learning method that integrates community involvement and service with academic coursework as it focuses on critical, reflective thinking. Students gain a deeper and more practical understanding of the content from previous courses, as well as, a broader appreciation of science in society.

STEM Ambassador Interns

This course will have students present science related activities to K-12 pupils to promote science literacy and critical thinking.

Course Learning Outcomes -

Objectives for Service-Learning:

1. To increase understanding of STEM disciplines in the surrounding community;
2. To stimulate and develop critical thinking skills in participants;
3. To gain a comprehensive view of the needs of the community being served (beyond just the service being provided);
4. To increase understanding of the operation of community agencies (their existence, goals, objectives, limitations, challenges, obstacles and successes);
5. To gain exposure to economic, racial and/or ethnic communities which may differ from the students own.

COURSE ASSIGNMENTS AND GRADING

Course Grading

Your grades will be assigned as follows:

Service Hours:

- Students perform on average a minimum of 3 hours (per academic unit) of community-based service work on a regular weekly basis (30 total hours per unit).
- Students must complete their service hours before the last day of the academic term they are enrolled.

Service Learning forms:

- All students must complete the forms found on the [S4 site](#) in order to receive credit for this internship. Students failing to complete these forms by the last academic day of the term will receive an incomplete grade.
- Students will enter their weekly activities under the time log link found on the [S4 web site](#).

STEM Ambassadors

- Interns will participate in at least two activities/events during the term such as a Science Day, Science Saturday, STEM after school Camp, Delhi Medical Academy, school visits or Junior Scientist program.
- For each activity/event, the interns will submit a journal entry to be found on the Blackboard site for BIOL 4940. These must be submitted within 2 weeks of the event and before the last day of the term.
- Students must complete at a minimum of one lesson plan for an activity for K-12 students. A template for the lesson plan will be available on the Blackboard site. Time spent preparing this lesson plan counts towards internship hours and should be tracked in the time tracker.

Students must attend 2 mandatory meetings during the term. Times will be determined based on the availability of all of the interns. Interns will also be required to schedule 3 office visits with the instructor to discuss progress towards meeting the learning objectives.

Assessment of learning objectives:

1. Prior to commencing the internship experience, each student shall submit expected objectives of the work experience and indicate how it is expected to enhance his/her program. This information will be submitted via the forms in the [S4 site](#).
2. Students will keep a reflective journal summarizing responsibilities and how the experience relates to the student's program. Weekly reports must be submitted to Blackboard outlining activities and time spent for the week.
3. Each student shall write a final report summarizing the experience (pros and cons) and evaluating whether or not the experience met the expectations that were submitted at the beginning of the experience. The student will also be expected to evaluate how the experience has contributed to his/her program and/or career aspirations.

None STEM Ambassadors

1. Mid-way through the term in which the credit is to be granted, each student shall submit a draft of the student's professional resume, including the internship experience. Each student shall also draft a real or fictional letter of application that would accompany the resume. Prior to the end of the term in which the student is enrolled, he/she shall submit final drafts of their resume/letter of application (if initial drafts require revision).

2. The supervisor will complete a one-page evaluation of the student as an “employee” that will be used in determining the student’s grade for the course, either Credit or No Credit.

STEM Ambassadors

1. The STEM Outreach Coordinator, the student’s direct supervisor, will be expected to confirm that the student has completed the minimum hours of work expected.

To receive a grade of credit, all of the following must be completed:

2. Time Log (minimum of 30 hrs per unit)
3. S4 forms (liability waiver and learning plan)
4. Attend mandatory meetings and office visits
5. Resume and letter of application
6. Supervisor review
7. **STEM Ambassadors** are also required to complete 2 journal entries and a lesson plan in lieu of the resume and letter of application.

Grades of "Incomplete"

From The University Catalog –

An Incomplete signifies (1) that a portion of required coursework has not been completed and evaluated in the prescribed time period due to unforeseen but fully justified reasons beyond the student’s control, and (2) that there is still a possibility of earning credit. It is the responsibility of the student to bring pertinent information to the attention of the instructor and to determine from the instructor the remaining course requirements which must be satisfied to remove the Incomplete. The conditions for removal of the Incomplete shall be put in writing by the instructor and given to the student, with a copy placed on file with the department chair. A final grade will be assigned when the work agreed upon has been completed and evaluated.

Any Incomplete must be made up within the time limit set by the instructor; in any case, no more than one calendar year following the end of the term in which the Incomplete was assigned. An Incomplete should never be used to (1) give a failing student an opportunity to redo unsatisfactory work or complete additional work; or (2) give a student more time to complete his/her work when the reasons for the delay have been within his/her control. This limitation prevails whether or not the student maintains continuous enrollment. Failure to complete the assigned work will result in an incomplete reverting to a grade of NC for grading options 1 and 2, and to a grade of IC for grading option 3. (See the Academic Standards section of this catalog and the Schedule of Classes Informational Guide for grading options.)

In cases of prolonged illness or any emergency which necessitates an extension of time to complete the course, the student may petition through the academic department where the course was offered. Students may not be permitted to graduate until all Incompletes are removed or evaluated as “IC” grades. Students are not to reregister in courses in which they have an Incomplete.

http://catalog.csustan.edu/content.php?catoid=12&navoid=541&returnto=search#indi_stud_cour

COURSE POLICIES: TECHNOLOGY AND MEDIA

Email

Questions regarding course materials should be directed to me at mgrobner@csustan.edu. Please be sure to put **BIOL 4940** in the subject line as I get a lot of emails every day and I want to be sure to respond to yours quickly. For issues with BlackBoard, please contact the helpdesk, linked from the BlackBoard login page.

University Academic Conduct Policy

There will be zero-tolerance for plagiarism/cheating. Plagiarism and/or cheating will result in a NC for the class.

For further information, please see the CSU Stanislaus catalog for Student Code of Conduct

http://catalog.csustan.edu/content.php?catoid=3&navoid=115#stud_cond