

# Form BIO 399-C: Independent Study Contract



Advisor Name \_\_\_\_\_ Student Name: \_\_\_\_\_ Student ID \_\_\_\_\_

Credits (2, 4) \_\_\_\_\_ Quarter (AQ, WQ, SQ, SU) \_\_\_\_\_ Year \_\_\_\_\_

Student: List credit received for mentored research courses prior to this course (refer to your DPR)

Research course (e.g., Bio 299, Bio 397, Bio 399) \_\_\_\_\_

No. of credits per course \_\_\_\_\_

## Research Project

**Advisor and student:** Please work together to provide a response for every prompt below. Please review the Bio 399 course description (attached) prior to completing this form. (Max. 500 Words)

**1. Project Title** (30 characters or less including spaces – appears on transcript)

**2. Project Question to be explored** – as guided by the research mentor and developed through readings in the relevant scientific literature

**3. Goals of the Project** – Describe what will be accomplished during the quarter.

**4. Project Activities** – Describe what student will do in pursuing their project? These are the activities that are designed to fulfill the learning objectives.

**5. Proposed outcomes** – Describe what the final project will involve. For example, research summary, preparation of a research presentation in poster or talk form, research manuscript or portion of a manuscript.

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6. **Mentoring expectations:** Describe the plan for mentoring, expectations and regularity of meetings.

7. **Safety and Ethics:** Describe the proposed safety and ethics training that will be completed. The relevant training will be determined by the faculty advisor in compliance with the guidelines set forth by the Office of Research Services. The faculty advisor and student will also discuss the responsibilities associated with conducting research according to established standards.

**Signatures**

Advisor \_\_\_\_\_

Date \_\_\_\_\_

Student \_\_\_\_\_

Date \_\_\_\_\_

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### **Bio 399: Independent Study – Research**

Department consent required, Credits 2-4, Maximum credit hours allowed: 8

Course Designation: Elective (Biology)

**Course Description:** This course provides the opportunity to work with a faculty mentor in Biology on an advanced research project. The faculty research mentor and student will work together to formulate a research question based on current biological knowledge and the scientific literature. They will develop hypotheses and then design and conduct a research study to test these hypotheses. Under faculty supervision, the student will conduct relevant analysis generated by the research and propose follow-up studies. Students will produce a written report of the results and may be provided with the opportunity to present their research at a professional conference. Relevant safety and ethical training will be provided based on the specific proposed research. Junior standing and consent of instructor required. In some cases, junior standing can be waived with consent of the instructor.