

CALIFORNIA STATE UNIVERSITY CHANNEL ISLANDS

NEW COURSE PROPOSAL

PROGRAM AREA BIOLOGY

- 1. Catalog Description of the Course.** *[Include the course prefix, number, full title, and units. Provide a course narrative including prerequisites and corequisites. If any of the following apply, include in the description: Repeatability (May be repeated to a maximum of ___ units); time distribution (Lecture ___ hours, laboratory ___ hours); non-traditional grading system (Graded CR/NC, ABC/NC). Follow accepted catalog format.]*

BIOL 494. INDEPENDENT RESEARCH. (1-3)

Prerequisite: Consent of instructor and program approval.

Laboratory and/or library research that may involve service learning in selected areas of biology conducted under the direction of a faculty member. All students are required to attend the Biology Program Senior Capstone Colloquium to present their projects. Graded credit/No credit.

- 2. Mode of Instruction.**

	Units	Hours per Unit	Benchmark Enrollment
Lecture	_____	_____	_____
Seminar	_____	_____	_____
Laboratory	_____	_____	_____
Activity	_____1-3_____	_____3_____	_____10_____

- 3. Justification and Learning Objectives for the Course.** (Indicate whether required or elective, and whether it meets University Writing, and/or Language requirements) *[Use as much space as necessary]*

This is an elective for biology majors. Independent research is conducted under the mentorship of a faculty advisor. The topic will be chosen by the student in consultation with the faculty advisor.

Students who successfully complete this course will be able to:

- Design and carry out experiments
- Identify topic appropriate research materials
- Synthesize information from a variety of sources
- Report on chosen topic in written and oral form

- 4. Is this a General Education Course** **YES** **NO**
If Yes, indicate GE category:

A (English Language, Communication, Critical Thinking)	
B (Life Sciences)	
C (Fine Arts, Literature, Languages & Cultures)	
D (Social Perspectives)	
E (Human Psychological and Physiological Perspectives)	

- 5. Course Content in Outline Form.** *[Be as brief as possible, but use as much space as necessary]*

Course content will vary by student

6. References. *[Provide 3 - 5 references on which this course is based and/or support it.]*

References will vary depending on topic chosen by student and their faculty mentor.

7. List Faculty Qualified to Teach This Course.

Biology faculty

8. Frequency.

a. Projected semesters to be offered: Fall __x__ Spring ____x_ Summer ____

9. New Resources Required.

- a. Computer (data processing), audio visual, broadcasting needs, other equipment
- b. Library needs
- c. Facility/space needs

Although the structure of this course will vary depending on the faculty and students involved, many students will be using this as an opportunity to gain familiarity with academic research in the biological sciences. Thus, fully equipped research laboratories and supplies will be essential for this course.

10. Consultation.

Attach consultation sheet from all program areas, Library, and others (if necessary)

11. If this new course will alter any degree, credential, certificate, or minor in your program, attach a program modification.

____Nancy Mozingo____6 January 2003_____
Proposer of Course Date