CALIFORNIA STATE UNIVERSITY CHANNEL ISLANDS

NEW COURSE PROPOSAL

PROGRAM AREA

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 491. SPECIAL LABORATORY TOPICS (1-3)

Prerequisites: CHEM 122; BIOL 300 with a grade of C or better.

Laboratory study of a selected topic, the title of which is to be specified in advance. Repeatable by topic. A lab fee is required.

2. Mode of Instruction.

	Units	Hours per Unit	Benchmark Enrollment
Lecture			
Seminar			
Laboratory	1-3	3	20
Activity			

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]

BIOL 490 is an elective for Biology majors. This type of courses covers special and contemporary laboratory techniques and topics in a particular sub-discipline in biology and is not offered on a regular basis. This course format also allows biology faculty members the opportunity to offer brand-new or experimental laboratory courses that, once successfully established, could be proposed to be included in the catalog as regularly offered courses. Biology as a scientific discipline has experienced rapid advances in recent years. This course format provides the flexibility needed for the Biology program to adjust and readjust its curriculum without disrupting its core program. Students will benefit from such courses to gain advanced knowledge and skills when faculty members use this course format to offer laboratory courses in emerging fields. Transfer students could also use this course to make up a missing laboratory component for a particular course, offered by other colleges or universities, for which the laboratory is required by our Biology program.

Students who successfully complete this course will be able to:

- 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 If Yes, indicate GE category:	YES	<u>NO</u>
	A (English Language, Communication, Critical Thinking)		

B (Mathematics & 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] The course content varies depending on the specific topics of the course each time it is offered and will be defined and delineated to students accordingly when a course is proposed by a biology faculty member to the Biology program.
- **6. References.** [*Provide 3 5 references on which this course is based and/or support it.*] To be determined according to the topics of the course by a biology faculty member who proposes the course.
- 7. List Faculty Qualified to Teach This Course. Biology faculty member

8. Frequency.

a. Projected semesters to be offered: Fall _____ Spring _____ Summer _____ To be offered when needed.

9. New Resources Required.

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

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.

<u>Ching-Hua Wang</u> Proposer of Course <u>1-3-03</u> Date