

CALIFORNIA STATE UNIVERSITY CHANNEL ISLANDS

NEW COURSE PROPOSAL

PROGRAM AREAS _____ MATH

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.]*

MATH 494. INDEPENDENT RESEARCH (1-3)

Prerequisites: Senior standing and Program approval of written proposal.

Supervised project involving theoretical research in the field of mathematics or its applications. All students are required to present their projects at the Senior Colloquium.

2. **Mode of Instruction.**

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

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]*

The course is an elective for Mathematics majors.

Through this course, students will be able to

- Do research in Mathematics or its applications
- Present their research in oral form

This course is not designed to satisfy the University Writing or Language requirements.

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

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]*

Supervised project involving theoretical research in the field of mathematics or its applications.
Presentation at the Senior Colloquium.

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

None

7. List Faculty Qualified to Teach This Course.

All Mathematics 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

Existing resources.

b. Library needs

Standard University library facilities.

c. Facility/space needs

Overhead projector, Power Point and standard classroom equipment

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.

Proposer of Course

Date