

# CALIFORNIA STATE UNIVERSITY CHANNEL ISLANDS

## COURSE MODIFICATION PROPOSAL

**Courses must be submitted by November 9, 2007, to make the next catalog production**

DATE (CHANGE DATE IF REVISED): 11.13.07 REV 12.19.07

PROGRAM AREA(S): MS MATH

### 1. Catalog Description of the Course. *[Follow accepted catalog format.]* *(If Cross-listed please submit prefixes for each discipline being modified)*

OLD				NEW					
Prefix MATH	Course# 599	Title Graduate Seminar	Units (1)	Prefix MATH	Course# 599	Title Graduate Seminar	Units (1)		
3 hours	lecture per week			1 hours	lecture per week				
	hours blank per week				hours blank per week				
<input checked="" type="checkbox"/> Prerequisites: Admission to the Computer Science or Mathematics Graduate Program <input type="checkbox"/> Corequisites: Description (Do not use any symbols): Oral presentations of current advancements in the field, reports on students' research, master thesis, and projects. Repeatable.				<input checked="" type="checkbox"/> Prerequisites: Graduate standing in MS Math or MS Computer Science, or approval of instructor <input type="checkbox"/> Corequisites: Description: Oral presentations of current work in mathematics by local and outside speakers; student thesis and project presentations. Repeatable.					
<input type="checkbox"/> Gen Ed Categories <input type="checkbox"/> Lab Fee Required Hegis Code		Graded <input type="checkbox"/> CR/NC <input checked="" type="checkbox"/> A - F <input type="checkbox"/> Optional (Student's choice)		<input checked="" type="checkbox"/> Repeatable for up to 2 units <input type="checkbox"/> Multiple Enrollment in same semester		Graded <input type="checkbox"/> CR/NC <input checked="" type="checkbox"/> A - F <input type="checkbox"/> Optional (Student's choice)		<input checked="" type="checkbox"/> Repeatable for up to 2 units <input type="checkbox"/> Multiple Enrollment in same semester	
<input type="checkbox"/> Mission Based Learning Objectives: <input type="checkbox"/> Interdisciplinary <input type="checkbox"/> International <input type="checkbox"/> Multicultural <input type="checkbox"/> Service Learning <input type="checkbox"/> American Institutions, Title V Section 40404: <input type="checkbox"/> Government <input type="checkbox"/> US Constitution <input type="checkbox"/> US History (Refer to EO 405, for more information at: <a href="http://senate.csuci.edu/comm/curriculum/resources.htm">http://senate.csuci.edu/comm/curriculum/resources.htm</a> ) <input type="checkbox"/> Service Learning Course									

### 2. Mode of instruction (Hours per Unit are set for you)

<u>Existing</u>					<u>Proposed</u>				
	Units	Hour Per Unit	Benchmark Enrollment	CS# Units (filled out by Dean)		Units	Hour Per Unit	Benchmark Enrollment	CS# Units (filled out by Dean)
Lecture	<u>1</u>	<u>1</u>	<u>30</u>	_____	Lecture	<u>1</u>	<u>1</u>	<u>30</u>	_____
Seminar	_____	<u>1</u>	_____	_____	Seminar	_____	<u>1</u>	_____	_____
Laboratory	_____	<u>3</u>	_____	_____	Laboratory	_____	<u>3</u>	_____	_____
Activity	_____	<u>2</u>	_____	_____	Activity	_____	<u>2</u>	_____	_____
Field Studies	_____		_____	_____	Activity	_____	<u>2</u>	_____	_____
Indep Study	_____		_____	_____	Activity	_____	<u>2</u>	_____	_____
Other blank	_____		_____	_____	Activity	_____	<u>2</u>	_____	_____

### 3. Course Content in Outline Form if Being Changed. *[Be as brief as possible, but use as much space as necessary]*

OLD	NEW
Oral presentations, discussions, and reflections on field-related issues.	Oral presentations by local faculty and graduate students and outside speakers; presentations of results of MS theses and projects; occasional skills-based workshops (e.g. literature searches, LaTeX)

### 4. 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]*

OLD	NEW

This course is required for the MS in Mathematics degree.

**Learning Objectives:**

Students will be able to:

- a) Make oral presentation of current issues in the field, projects and research results
- b) present reports on the projects
- c) discuss his/her results
- d) demonstrate knowledge of current issues in the related field
- e) prepare and conduct presentations on current issues in mathematical sciences using various modes of presentation.

This course is required for the MS in Mathematics degree.

**Learning Objectives:**

Students will be able to

- a) Read abstracts and/ or papers and investigate unknown terms in preparation for seminar attendance or brief (student) presentations.
- b) Demonstate skills in following complex and sometimes technical presentations
- c) Discuss current developments in mathematics
- d) Reflect exposure to applications of mathematics to other disciplines
- e) Formulate and ask relevant questions while listening to a presentation

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

**OLD**

**NEW**

**6. Indicate Changes and Justification for Each.** *[Check all that apply and follow with justification. Be as brief as possible but, use as much space as necessary.]*

- ☐ Course title
- ☐ Prefix/suffix
- ☐ Course number
- ☐ Units
- ☐ Staffing formula and enrollment limits
- ☒ Prerequisites/corequisites
- ☒ Catalog description
- ☒ Course content
- ☐ References
- ☐ GE
- ☒ Other Learning Objectives

**Justification:** Prerequisites: include "approval of instructor" to allow other interested students to enroll

Catalog description: mere rewording

Course content: more descriptive

Learning objectives: First-year MS students are the target audience for Graduate Seminar. (Students who are finishing their degrees will present their MS theses/ projects in Graduate Seminar.) These learning objectives are reformulated for the intended audience. We will expect that graduate students finishing their degrees will meet several of the "old" learning objectives, but many of these are not appropriate for first-year graduate students.

**7. ☐ General Education Categories:** All courses with GE categories notations (including deletions) must be processed at the GE website: <http://summit.csuci.edu/geapproval>. Upon completion, the GE Committee will forward your documents to the Curriculum Committee for further processing.

**A (English Language, Communication, Critical Thinking)**

A-1 Oral Communication

☐

A-2 English Writing

☐

A-3 Critical Thinking

☐

**B (Mathematics, Sciences & Technology)**

B-1 Physical Sciences

☐

B-2 Life Sciences – Biology

☐

B-3 Mathematics – Mathematics and Applications

☐

B-4 Computers and Information Technology

☐

**C (Fine Arts, Literature, Languages & Cultures)**

C-1 Art

☐

C-2 Literature Courses

☐

C-3a Language

☐

\C-3b Multicultural  
**D (Social Perspectives)**  
**E (Human Psychological and Physiological Perspectives)**  
**UD Interdisciplinary**

☐  
☐  
☐  
☐

**8. New Resources Required. YES ☐ NO ☒**

If YES, list the resources needed and obtain signatures from the appropriate programs/units on the consultation sheet below.

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

**9. Will this course modification alter any degree, credential, certificate, or minor in your program? YES ☐ NO ☒**

If, YES attach a program modification form for all programs affected.

**10. Effective Date (Semester and Year – all modifications submitted prior to November 9<sup>th</sup> will be effective in the Fall 2008 catalog): Fall '08**

Cindy Wyels

Proposer of Course Modification

11/1/07

Date

## Approvals

Program/Course:

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Program Chair(s)

Date

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General Education Chair(s)

Date

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Curriculum Committee Chair(s)

Date

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Dean of Faculty

Date