CALIFORNIA STATE UNIVERSITY CHANNEL ISLANDS

NEW COURSE PROPOSAL

PROGRAM AREAS _____BIOLOGICAL AND PHYSICAL SCIENCES, MATH AND COMPUTER SCIENCE

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 095. INTERMEDIATE ALGEBRA (5)
   Four hours of lecture with 1 hour of lab activities per week.
   Prerequisite: MATH 094 or above _____ on ELM.
   A review of concepts of geometry and intermediate algebra with applications.
   Students who earn Credit in this course satisfy the Entry Level Mathematics (ELM) requirement.
   This course is offered Credit/No Credit only. Credit will not apply toward the baccalaureate degree but will apply as 5 units of University Credit.

2. **Mode of Instruction.**

	Units	Hours per Unit	Benchmark Enrollment
Lecture	4	1	24
Seminar			
Laboratory			
Activity	1	1	24

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 offered as a developmental course for students who do not meet the ELM requirement, but score above _____.

   Through this course, students will be able to
   - Improve their algebraic and trigonometric skills
   - Apply algebraic skills to problem solving
   - Apply algebraic thinking to other fields
   - Organize and express ideas clearly and convincingly in oral and written forms.

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

4. **Is this a General Education Course**   YES   <u>NO</u>
   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]*

   Equations, Inequalities, and Problem Solving
   Graphing and Modern Graphic tools

Functions
Rational Expressions
Trigonometric Functions and Graphs
Exponential and Radical functions
Logarithmic Functions and Equations
Problem Solving

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

Bittinger/Ellenbogen/Johnson *Elementary and Intermediate Algebra, Concepts and Applications,* Second Edition Copyright (c)1997 Addison Wesley Longman

7. **List Faculty Qualified to Teach This Course.**

All math faculty

8. **Frequency.**
a. Projected semesters to be offered: Fall ___X__   Spring _X____   Summer ___X__

9. **New Resources Required.**

a. Computer (data processing), audio visual, broadcasting needs, other equipment

Use of a computer lab.

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.

_____
Proposer of Course   Date