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 101. COLLEGE ALGEBRA (3)

Three hours of lecture per week.

Prerequisite: A passing score on the Entry Level Mathematics Examination.

Topic include: basic set theory, number systems and their algebraic properties; systems of equations and inequalities; basic analytic geometry, matix algebra and elementary functions; and problem solving.

2. Mode of Instruction.

Lecture	Units 3	Hours per Unit 1	Benchmark Enrollment 24
Seminar			
Laboratory			
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]

The course is offered for non-majors. May be used to satisfy Mathematics Concentrations requirements for Liberal Studies students.

Through this course, students will be able to

- Improve their advanced algebraic skills
- Demonstrate the understanding of methods of analytic geometry
- Apply algebraic skills and metrix algebra to problem solving
- Apply functions and their graphs to problem solving
- 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 NO

If Yes, indicate GE category:

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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 Modeling. Constructing Models to Solve Problems.

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6.	References. [Provide 3 - 5 references on which this course is based and/or support it.]
	ollege Algebra, Mark Dugopolski, © 2003 / 0-201-75526-2 / Addison Wesley
	ollege Algebra, Judith Beecher, Judith Penna, Marvin Bittinger, © 2002 / 0-201-74140-7 / Addison Wesley
7.	List Faculty Qualified to Teach This Course.
	All Math faculty
8.	Frequency. a. Projected semesters to be offered: FallX_ Spring _X SummerX
9.	New Resources Required.
	a. Computer (data processing), audio visual, broadcasting needs, other equipment
	Use of a computer lab.
	b. Library needs
	Existing resources
	c. Facility/space needs
	Existing resources
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.
	_Ivona Grzgorczyk1/8/03
Pro	onoser of Course Date