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.

<table>
<thead>
<tr>
<th>Units</th>
<th>Hours per Unit</th>
<th>Benchmark Enrollment</th>
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</thead>
<tbody>
<tr>
<td>Lecture</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>Seminar</td>
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<tr>
<td>Laboratory</td>
<td></td>
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<tr>
<td>Activity</td>
<td>1</td>
<td>1</td>
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</tbody>
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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 | 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]

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

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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.]

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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
      none
   c. Facility/space needs
      none

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

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