CALIFORNIA STATE UNIVERSITY CHANNEL ISLANDS
NEW COURSE PROPOSAL

DATE  10/19/06
PROGRAM AREA  COMPUTER SCIENCE

1. Catalog Description of the Course. [Follow accepted catalog format.]
Prefix COMP  Course# 491  Title CAPSTONE PREPARATION  Units (1)
1 hours seminar per week
Prerequisites Comp 350, Comp 362, Senior standing in the Computer Science major
Corequisites
Description Research and develop a proposal for a significant software project under faculty supervision.
Graded
Gen Ed
CR/NC
Repeatable for up to 3 units
A - F Total Completions Allowed
Optional (Student’s choice)
Multiple Enrollment in same semester
Title V Section 40404: Government
US Constitution
US History

2. Mode of Instruction.

<table>
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<tr>
<th>Units</th>
<th>Hours per Unit</th>
<th>Benchmark Enrollment</th>
<th>Graded Component</th>
<th>CS &amp; HEGIS #</th>
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<tbody>
<tr>
<td>Lecture</td>
<td>Seminar</td>
<td>Laboratory</td>
<td>Activity</td>
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<td>15</td>
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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]
This course will allow senior Computer Science students to prepare for their Capstone Project (COMP499). The students are expected to select the topic for their projects, select an advisor, conduct preparatory literature searches, select approaches, tools and methodologies, and construct a plan with the timeline for their project. The preparations made in this course will enable the students to begin working on their projects from the start of the semester, so the objectives of the Capstone Project course can be achieved.

Learning Objectives

• Set capstone goals and objectives
• Recognize fields of study that are relevant to the problem at hand
• Conduct a literature search to build a reading list necessary to approach a problem
• Select approaches for problem resolution
• Construct plans for resolving problems
• Select collaborators for resolving problems
• Organize and express ideas clearly and convincingly in written and oral form

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

4. Is this a General Education Course  YES  [ ]  NO  [x]
If Yes, indicate GE category and attach GE Criteria Form:

7.27.06 km2
5. Course Content in Outline Form.  [Be as brief as possible, but use as much space as necessary]

Variable by student.
Topic selection process
• Research area of interest in Computer Science
• Develop a proposal for a Capstone Project
• Develop a project plan- short
• Make presentation of chosen project.

Does this course overlap a course offered in your academic program?  YES □ NO ☒
If YES, what course(s) and provide a justification of the overlap?

Does this course overlap a course offered in another academic area?  YES □ NO ☒
If YES, what course(s) and provide a justification of the overlap?
Signature of Academic Chair(s) of the other academic area(s) is required on the signature sheet below.

6. Cross-listed Courses (Please fill out separate form for each PREFIX)
List Cross-listed Courses

Signature of Academic Chair(s) of the other academic area(s) is required on the signature sheet below.
Department responsible for staffing: Computer Science

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

8. List Faculty Qualified to Teach This Course.

All Computer Science faculty

9. Effective Date and Frequency.
a. Projected semesters to be offered:  Fall ☒  Spring ☒  Summer □
b. First semester offered:  Fall 2007

10. New Resources Required.  YES □ NO ☒
If YES, list the resources needed and obtain signatures from the appropriate programs/units on the sheet below.

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

b. Library needs

c. Facility/space needs

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

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

William Wolfe ______________________________ 10/13/2006
Proposer of Course ___________________________ Date _______________________
<table>
<thead>
<tr>
<th>Chair/Committee</th>
<th>Date</th>
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<tbody>
<tr>
<td>Program Chair(s)</td>
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<td>General Education Chair(s)</td>
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<td>Curriculum Committee Chair(s)</td>
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<td>Dean of Faculty</td>
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