

CALIFORNIA STATE UNIVERSITY CHANNEL ISLANDS

COURSE MODIFICATION PROPOSAL

Courses must be submitted by October 15, 2011, and finalized by the end of the fall semester to make the next catalog (2012-13) production

DATE (CHANGE DATE EACH TIME REVISED): 9/6/11

PROGRAM AREA(S): COMPUTER SCIENCE

Directions: All of sections of this form must be completed for course modifications. Use **YELLOWED** areas to enter data. All documents are stand alone sources of course information.

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

- | | |
|---|--|
| ☒ Course title | ☒ Course Content |
| ☐ Prefix/suffix | ☒ Course Learning Outcomes |
| ☐ Course number | ☒ References |
| ☒ Units | ☐ GE |
| ☐ Staffing formula and enrollment limits | ☐ Other ☐ |
| ☐ Prerequisites/Corequisites | ☐ Reactivate Course |
| ☒ Catalog description | |
| ☒ Mode of Instruction | |

Justification: We are aligning the capstone experience in the BSIT and the BSCS. With this and other changes both programs will have a 1-unit preparation course followed by a 3-unit capstone

2. Course Information.

[Follow accepted catalog format.] (Add additional prefixes i f cross-listed)

OLD

Prefix IT Course# 499
 Title BSIT Capstone Units (2)
 2 hours lecture per week
☐ hours blank per week

☒ Prerequisites: MGT471 and Senior standing in the BSIT program

☐ Consent of Instructor Required for Enrollment

Corequisites: ☐

Catalog Description (Do not use any symbols):

Implement a realistic Information Technology project. Identify project goals in consultation with an industry representative. Produce the project requirements, design and complete documentation. Implement the project design, test and debug the system. Present the project results to the class and the industry representative. Work in teams.

General Education Categories: ☐

Grading Scheme (Select one below):

☒ A – F

☐ Credit/No Credit

☐ Optional (Student's Choice)

Repeatable for up to ☐ units

Total Completions ☐

Multiple Enrollment in Same Semester Y/N ☐

Course Level:

☒ Undergraduate

☐ Post-Baccalaureate

☐ Graduate

NEW

Prefix IT Course# 499
 Title Capstone Project Units (3)
☐ hours lecture per week
 3 hours independent study per week

☒ Prerequisites: IT491

☐ Consent of Instructor Required for Enrollment

Corequisites: ☐

Catalog Description (Do not use any symbols):

Design, implement and present a significant capstone project under faculty supervision.

General Education Categories: ☐

Grading Scheme (Select one below):

☒ A – F

☐ Credit/No Credit

☐ Optional (Student's Choice)

Repeatable for up to ☐ units

Total Completions ☐

Multiple Enrollment in Same Semester Y/N ☐

Course Level:

☒ Undergraduate

☐ Post-Baccalaureate

☐ Graduate

3. Mode of Instruction (Hours per Unit are defaulted)

Hegis Code(s) _____
(Provided by the Dean)

Existing

Proposed

	Units	Hours Per Unit	Benchmark Enrollment	Graded		Units	Hours Per Unit	Benchmark Enrollment	Graded	CS No. (filled out by Dean)
Lecture	2	1	24	y	Lecture		1			
Seminar		1			Seminar		1			
Lab		3			Lab		3			
Activity		2			Activity		2			
Field Studies					Field Studies					
Indep Study					Indep Study	3	10	y		
Other blank					Other blank					
Online					Online					

4. Course Attributes:

General Education Categories: All courses with GE category notations (including deletions) must be submitted to 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)

UDIGE/INTD Interdisciplinary

Meets University Writing Requirement

Meets University Language Requirement

American Institutions, Title V Section 40404: Government US Constitution US History

Refer to website, Exec Order 405, for more information: <http://senate.csuci.edu/comm/curriculum/resources.htm>

Service Learning Course (Approval from the Center for Community Engagement must be received before you can request this course attribute).

5. Justification and Requirements for the Course. [Make a brief statement to justify the need for the course]

OLD

BSIT required course

- X Requirement for the Major/Minor
- Elective for the Major/Minor
- Free Elective

NEW

BSIT required course

- X Requirement for the Major/Minor
- Elective for the Major/Minor
- Free Elective

Submit Program Modification if this course changes your program.

6. Student Learning Outcomes. (List in numerical order. You may wish to visit resource information at the following website: <http://senate.csuci.edu/comm/curriculum/resources.htm>)

Upon completion of the course, the student will be able to:

OLD

1. Use skills acquired in program in completion of significant project
2. Be able to identify project requirements.
3. Be able to plan a project with a set of milestones and tasks.
4. Be able to make a project schedule for a specific application.
5. Be able to present the status of the project.
6. Be able to identify project risks and benefits.

Upon completion of the course, the student will be able to:

NEW

Students draw on knowledge from many courses in the major in a culminating experience. They complete a substantial project that can be used in a portfolio of their work. The course provides an opportunity for the Computer Science faculty to assess the major. Through this course, students will be able to

- * Formulate a plan for project completion
- * Construct a software and/or hardware system
- * Prepare appropriate system documentation
- * Synthesize and articulate clearly and convincingly in written and oral form.

7. Course Content in Outline Form. (Be as brief as possible, but use as much space as necessary)

OLD

Topics:

1. Project Identification.
2. Project Requirements.
3. Project Plan.
4. Project Design.
5. Project Design Review.
6. Project Test Plan.
7. Project Presentation.

NEW

Variable by student. Students complete the design, implementation, testing and presentation of the Capstone Project proposed and approved in IT 491

Does this course content overlap with a course offered in your academic program? Yes ☐ No ☒

If YES, what course(s) and provide a justification of the overlap.

Does this course content overlap a course offered in another academic area? Yes ☐ No ☒

If YES, what course(s) and provide a justification of the overlap.

Overlapping courses require Chairs' signatures.

8. Cross-listed Courses (Please note each prefix in item No. 1)

- A. List cross-listed courses (Signature of Academic Chair(s) of the other academic area(s) is required).
- B. List each cross-listed prefix for the course:
- C. Program responsible for staffing:

9. References. [Provide 3-5 references]

- OLD**
1. People in Projects, Project Management Institute, Project Management Institute, 2001, 1880410729
 2. Project management: A systems approach to planning, scheduling and controlling, Harold Kerzner, Wiley, 2003 0471225770
 3. Information Technology Project Management, Schwalbe, Course Technology, 2001, 0619035285

NEW Variable by student

10. Tenure Track Faculty qualified to teach this course.

All Computer Science Faculty

11. Requested Effective Date or First Semester offered: Fall 2012

12. New Resource Requested: Yes ☐ No ☒

If YES, list the resources needed.

A. Computer Needs (data processing, audio visual, broadcasting, other equipment, etc.)

B. Library Needs (streaming media, video hosting, databases, exhibit space, etc.)

C. Facility/Space/Transportation Needs:

D. Lab Fee Requested: Yes ☐ No ☐ (Refer to the Dean's Office for additional processing)

E. Other. ☐

13. Will this course modification alter any degree, credential, certificate, or minor in your program? Yes X No ☐

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

Priority deadline for New Minors and Programs: **October 1, 2011** of preceding year.

Priority deadline for Course Proposals and Modifications: **October 15, 2011**.

Last day to submit forms to be considered during the current academic year: **April 15th**.

Peter Smith

9/6/11

Proposer(s) of Course Modification

Date

Type in name. Signatures will be collected after Curriculum approval.

Approval Sheet

Course: IT499

If your course has a General Education Component or involves Center affiliation, the Center will also sign off during the approval process.

Multiple Chair fields are available for cross-listed courses.

Program Chair		
---------------	--	--

Signature

Date

Program Chair		
---------------	--	--

Signature

Date

Program Chair		
---------------	--	--

Signature

Date

General Education Chair		
-------------------------	--	--

Signature

Date

Center for Intl Affairs Director		
----------------------------------	--	--

Signature

Date

Center for Integrative Studies Director		
---	--	--

Signature

Date

Center for Multicultural Engagement Director		
--	--	--

Signature

Date

Center for Civic Engagement and Service Learning Director		
---	--	--

Signature

Date

Curriculum Chair		
------------------	--	--

Signature

Date

AVP Comments: Program will have to cover costs	Karen Carey	10.3.11
--	-------------	---------

Signature

Date