

NEW COURSE PROPOSAL

Courses must be submitted by October 15, 2011, and finalized by the end of the fall semester for the next catalog production.

Use YELLOWED areas to enter data.

DATE (*Change if modified and redate file with current date*)

9/6/11 REV 9/15/11

PROGRAM AREA(S)

COMPUTER SCIENCE

1. Course Information. *[Follow accepted catalog format.]*

Prefix(es) (Add additional prefixes if cross-listed) and **Course No.** IT 491

Title: CAPSTONE PREPARATION **Units:** 1

X Prerequisites COMP362 and senior standing in the Information Technology major

Corequisites

Consent of Instructor Required for Enrollment

Catalog Description (Do not use any symbols): **Research and develop a proposal for a significant capstone project under faculty supervision.**

Grading Scheme:

X A-F Grades

Credit/No Credit

Optional (Student Choice)

Repeatability:

X Repeatable for a maximum of 3 units

Total Completions Allowed 3

Multiple Enrollment in Same Semester

Course Level Information:

X Undergraduate

Post-Baccalaureate/Credential

Graduate

Mode of Instruction/Components (*Hours per Unit are defaulted.*)

	Units	Hours per Unit	Benchmark Enrollment	Graded Component	CS & HEGIS # (Filled in by the Dean)
Lecture		1			
Seminar		1			
Laboratory		3			
Activity	1	2	10	y	
Field Studies					
Indep Study					
Other Blank					

Leave the following hours per week areas blank. The hours per week will be filled out for you.

hours lecture per week

hours blank per week

Is this course delivered online? Yes____ No__X__

2. 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).

3. Justification and Requirements for the Course. (Make a brief statement to justify the need for the course)

A. Justification. This course will allow senior Information Technology students to prepare for their Capstone Project (IT499). 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

B. Degree Requirement: ☒ Requirement for the Major/Minor
☐ Elective for the Major/Minor
☐ Free Elective

Note: Submit Program Modification if this course changes your program.

4. Student Learning Outcomes. (List in numerical order. You may wish to use the following resource in utilizing measurable verbs: <http://senate.csuci.edu/comm/curriculum/resources.htm>)

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

- Determine capstone goals and objectives
- Identify 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
- Assess approaches for problem resolution
- Construct plans for resolving problems
- Identify collaborators for resolving problems
- Synthesize and articulate clearly and convincingly in written and oral forms.

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 Information Technology
- Develop a proposal for a Capstone Project
- Develop a project plan- short
- Make presentation of chosen project.

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.

6. 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).

List each cross-listed prefix for the course:

B. Program responsible for staffing: Computer Science

7. **References.** *[Provide 3 - 5 references]*

Variable by student

8. **Tenure Track Faculty Qualified to Teach This Course.**

All Computer Science faculty

9. **Requested Effective Date:**

First semester offered: Fall 2012

10. **New Resources 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 (please refer to Dean's Office for additional processing) Yes No

E. Other

11. **Will this new course alter any degree, credential, certificate, or minor in your program?** Yes ☒ 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**, of preceding year.

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

Peter Smith

9/6/11

Proposer of Course (Type in name. Signatures will be collected after Curriculum approval)

Date

Approval Sheet

Program/Course: Information Technology

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 International Affairs Director		
	Signature	Date
Center for Integrative Studies Director		
	Signature	Date
Center for Multicultural Engagement Director		
	Signature	Date
Center for Civic Engagement Director		
	Signature	Date
Curriculum Chair		
	Signature	Date
AVP Comments: Program will have to cover costs	Karen Carey	10.3.11
	Signature	Date