

CALIFORNIA STATE UNIVERSITY CHANNEL ISLANDS
COURSE MODIFICATION PROPOSAL
Courses must be submitted by October 15, 2010,
to make the next catalog (2011-12) production

DATE (CHANGE DATE EACH TIME REVISED): 9/23/10 REV 10/7/10; REV 10.15.10; REV 12.15.10

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. Course Information.

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

<p style="text-align: center;">OLD</p> <p>Prefix IT Course# 402 Title Advanced IT Programming Units (3) 3 hours lecture per week <input type="text"/> hours blank per week</p> <p>X Prerequisites: IT280 <input type="text"/> Consent of Instructor Required for Enrollment Corequisites: <input type="text"/></p> <p>Catalog Description (Do not use any symbols): Covers a variety of programming languages, including java, c, c++, perl, asp, and php. This course focuses on building applications that are useful to IT professionals, such as applications for network security, maintenance and surveillance.</p> <p>General Education Categories <input type="text"/> <input type="text"/> Lab Fee Requested</p> <p>Course Level: <input type="text"/> Undergraduate <input type="text"/> Post-bac/Credential <input type="text"/> Graduate</p>	<p style="text-align: center;">NEW</p> <p>Prefix IT Course# 402 Title Advanced IT Programming Units (3) 3 hours lecture per week <input type="text"/> hours blank per week</p> <p>X Prerequisites: IT151 or IT152 <input type="text"/> Consent of Instructor Required for Enrollment Corequisites: <input type="text"/></p> <p>Catalog Description (Do not use any symbols): Covers a variety of programming languages, including java, c, c++, perl, asp, and php. This course focuses on building applications that are useful to IT professionals, such as applications for network security, maintenance and surveillance.</p> <p>General Education Categories <input type="text"/> <input type="text"/> Lab Fee Requested</p> <p>Course Level: <input type="text"/> Undergraduate <input type="text"/> Post-bac/Credential <input type="text"/> Graduate</p>
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<p>Graded <input type="text"/></p> <p>CR/NC <input type="text"/></p> <p>A - F <input type="text"/></p> <p>Optional (Student's choice) <input type="text"/></p>	<p>Repeatable for up to <input type="text"/> units Total Completions <input type="text"/></p> <p>Multiple Enrollment in same semester <input type="text"/></p>
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2. 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	<u>3</u>	<u>1</u>	<u>30</u>	y		<u>3</u>	<u>1</u>	<u>24</u>	y	<input type="text"/>
Seminar	<input type="text"/>	<u>1</u>	<input type="text"/>	<input type="text"/>		<input type="text"/>	<u>1</u>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Lab	<input type="text"/>	<u>3</u>	<input type="text"/>	<input type="text"/>		<input type="text"/>	<u>3</u>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Activity	<input type="text"/>	<u>2</u>	<input type="text"/>	<input type="text"/>		<input type="text"/>	<u>2</u>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Field Studies	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Indep Study	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Other blank	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

3. 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).

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

OLD

Elective for the BSIT

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

NEW

Elective for the BSIT

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

Submit Program Modification if this course changes your program.

5. 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. Program in unix shell languages such as awt.
2. Program in web sever scripting languages such as asp, php and perl.
3. Analyze requirements for an IT software application.
4. Design IT components into a software application.
5. Program simple distributed network applications

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

NEW

1. Program in unix shell languages such as awt.
2. Program in web sever scripting languages such as asp, php and perl.
3. Analyze requirements for an IT software application.
4. Design IT components into a software application.
5. Program simple distributed network applications

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

OLD

1. Unix Shell Programming.
2. Perl Programming.
3. Python Programming.
4. Javascript Programming.
5. ASP Programming.
6. PHP Programming.
7. JSP Programming.
- 8 AWT Programming

NEW

1. Unix Shell Programming.
2. Perl Programming.
3. Python Programming.
4. Javascript Programming.
5. ASP Programming.
6. PHP Programming.
7. JSP Programming.
- 8 AWT Programming

Does this course content overlap with a course offered in your academic program? Yes No X
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 X
If YES, what course(s) and provide a justification of the overlap.

Overlapping courses require Chairs' signatures.

7. 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:

8. References. [Provide 3-5 references]

OLD

1. Unix System Programming (2nd ed) Haviland, Gray and Salama Addison-Wesley 1998 0201877589
2. Unix network programming (2nd ed) Stevens Prentice-Hall 1998 013490012X
3. Advanced Linux Programming CodeSourcery LLC New Riders Publishing 2001 0-7357-1043-0
4. Advanced Perl Programming Sriram Srinivasan O'Reilly 19971565922204

NEW

1. Unix System Programming (2nd ed) Haviland, Gray and Salama Addison-Wesley 1998 0201877589
2. Unix network programming (2nd ed) Stevens Prentice-Hall 1998 013490012X
3. Advanced Linux Programming CodeSourcery LLC New Riders Publishing 2001 0-7357-1043-0
4. Advanced Perl Programming Sriram Srinivasan O'Reilly 19971565922204

9. Tenure Track Faculty qualified to teach this course.

All Computer Science faculty

10. Requested Effective Date or First Semester offered: Fall 2011

11. New Resource Requested: Yes No X

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.

12. Indicate Changes and Justification for Each. [Check all that apply and follow with justification. Be as brief as possible but, use as much space as necessary.]

- Course title
- Prefix/suffix
- Course number
- Units
- Staffing formula and enrollment limits
- Prerequisites/Corequisites

- Course Content
- Course Learning Objectives
- References
- GE
- Other
- Reactivate Course

Catalog description
 Mode of Instruction

Justification: The prerequisite is changed to one of two broader courses that also cover the essential required material.

13. Will this course modification 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 4, 2010** of preceding year.

Priority deadline for Course Proposals and Modifications: **October 15, 2010**.

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

Peter Smith

10/7/10

Proposer(s) of Course Modification

Date

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

Approval Sheet

Course: IT402

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		
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Signature

Date

Program Chair		
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Signature

Date

Program Chair		
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Signature

Date

General Education Chair		
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Signature

Date

Center for Intl Affairs Director		
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Signature

Date

Center for Integrative Studies Director		
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Signature

Date

Center for Multicultural Engagement Director		
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Signature

Date

Center for Civic Engagement and Service Learning Director		
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Signature

Date

Curriculum Chair		
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Signature

Date

Dean of Faculty		
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Signature

Date