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): 9/14/11

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.

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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.]*

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

Justification: Title change better reflects the course content. Appropriate adjustments made to prerequisites to allow students in either BSCS or BSIT to take the course

2. Course Information.

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

OLD

Prefix IT Course# 402
Title Advanced IT Programming Units (3)
3 hours lecture per week
hours blank per week

X Prerequisites: IT151 or IT152
Consent of Instructor Required for Enrollment
Corequisites:

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.

General Education Categories:
Grading Scheme (Select one below):
X 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:
X Undergraduate
Post-Baccalaureate
Graduate

NEW

Prefix IT Course# 402
Title Advanced Web Programming Units (3)
3 hours lecture per week
hours blank per week

X Prerequisites: COMP 151 or IT151 or IT152
Consent of Instructor Required for Enrollment
Corequisites:

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.

General Education Categories:
Grading Scheme (Select one below):
X 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:
X 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	3	1	24	y	Lecture	3	1	24	y	
Seminar		1			Seminar		1			
Lab		3			Lab		3			
Activity		2			Activity		2			
Field Studies					Field Studies					
Indep Study					Indep Study					
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	**NEW**
Elective for the BSIT	Elective for the BSCS and BSIT
Requirement for the Major/Minor	Requirement for the Major/Minor
X Elective for the Major/Minor	X Elective for the Major/Minor
Free Elective	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. 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

7. 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.

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: COMP, IT
C. Program responsible for staffing: Computer Science

9. 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

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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** 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. ____

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 — 9/14/11

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		
	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		
	Signature	Date