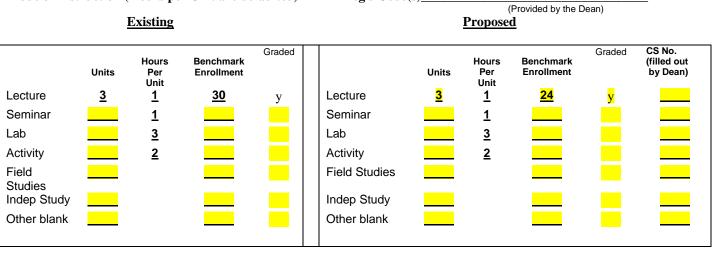CALIFORNIA STATE UNIVERSITY CHANNEL ISLANDS
COURSE MODIFICATION PROPOSAL
Courses must be submitted by October 15, 2010, to make the next catalog (2011-12) production

DATE (CHANGE DATE EACH TIME REVISED): 8/9/10 REV 10/4/10; 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 i f cross-listed)***

OLD	NEW
Prefix IT Course# 280 Title Web Programming Units (3)	Prefix IT Course# 280 Title Web Programming Units (3)
3 hours lecture per week	3 hours lecture per week
____ hours blank per week	____ hours blank per week
X Prerequisites: IT151 and Math 300	X Prerequisites: COMP 151 and Math301
____ Consent of Instructor Required for Enrollment	____ Consent of Instructor Required for Enrollment
Corequisites: ____	Corequisites: ____

Catalog Description (Do not use any symbols):
This course provides an overview of the many languages and te Perl, JSP and ASP, as well as database query languages and X given towards Computer Science degree.

Catalog Description (Do not use any symbols)**:**
This course provides an overview of the many languages and te Perl, JSP and ASP, as well as database query languages and X given towards Computer Science degree.

OLD:
General Education Categories ____   Graded ____   ____ Repeatable for up to ____ units
CR/NC ____   ____ Lab Fee Requested   X A - F
Total Completions ____
Course Level: ____
X Undergraduate
____ Post-bac/Credential
____ Graduate
Optional (Student's choice)
____ Multiple Enrollment in same semester

NEW:
General Education Categories ____   Graded ____   ____ Repeatable for up to ____ units
CR/NC ____   ____ Lab Fee Requested   X A - F
Total Completions ____
Course Level: ____
X Undergraduate
____ Post-bac/Credential
____ Graduate
Optional (Student's choice)
____ Multiple Enrollment in same semester

2. **Mode of Instruction (Hours per Unit are defaulted)**   Hegis Code(s)_____

Existing

	Units	Hours Per Unit	Benchmark Enrollment	Graded
Lecture	3	1	30	y
Seminar	____	1	____	____
Lab	____	3	____	____
Activity	____	2	____	____
Field Studies	____		____	____
Indep Study	____		____	____
Other blank	____		____	____

Proposed

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

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	**NEW**
This is a required course for the BSIT	This is a required course for the BSIT
X Requirement for the Major/Minor	X Requirement for the Major/Minor
Elective for the Major/Minor	Elective for the Major/Minor
Free Elective	Free Elective

Submit Program Modification if this course changes your program.

5. **Student Learning Outocmes.** (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. Be able to analyze the components of a web software system.
2. Be able to identify the software components of a web system.
3. Be able to program basic functions in Java, JavaScript, one other scripting language.
4. Be able to program a basic web page database interface.
5. Be able to program a web page to gather information from the user.
6. Be able to create an XML document for a specific application.
7. Be able to distinguish the different data types on a web form.
8. Be able to identify the use of OO structures and their use.
9. Understand the fundamental role XML is playing in industry
10. Understand the fundamental differences between DTDs and Schema.

NEW
1. Analyze the components of a web software system.
2. Identify the software components of a web system.
3. Program basic functions in Java, JavaScript, and one other scripting language.
4. Program a basic web page database interface.
5. Program a web page to gather information from the user.
6. Create an XML document for a specific application.
7. Distinguish the different data types on a web form.
8. Identify the use of OO structures and their use.
9. Describe the fundamental role XML is playing in industry
10. Articulate the fundamental differences between DTDs and Schema.

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

OLD
1. Perl.
2. Client Side Scripting
3. Javascript.

NEW
1. Perl.
2. Client Side Scripting
3. Javascript.

4. Server Side Scripting	4. Server Side Scripting
5. PHP	5. PHP
6. ASP	6. ASP
7. Database fundamentals.	7. Database fundamentals.
8. XML	8. XML
9. XML Document Type Definitions.	9. XML Document Type Definitions.
10. MYSQL	10. MYSQL

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. Internet & World Wide Web How to Program Harvey M. Deitel, Paul J. Deitel, Andrew B. Goldberg Pearson Education 2003 0131450913
2. Core Web Programming Marty Hall, Larry Brown Prentice Hall PTR 2001 0130897930
3. Programming the World Wide Web Robert W. Sebesta Pearson Education 20020321149459

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9. **Tenure Track Faculty qualified to teach this course.**
     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	☐	Course Content
☐	Prefix/suffix	X	Course Learning Objectives
☐	Course number	☐	References
☐	Units	☐	GE
☐	Staffing formula and enrollment limits	☐	Other ☐
X	Prerequisites/Corequisites	☐	Reactivate Course
☐	Catalog description		
☐	Mode of Instruction		

Justification: IT151 is being replaced by COMP151 in the BSIT program. Math 301 rather than Math 300 is the course taken by IT majors. Student Learning Outcomes have been clarified.

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

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   10/4/10

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

Approval Sheet

Course: IT280

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

Dean of Faculty		
	Signature	Date