

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): 9/13/11

PROGRAM AREA(S): COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

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 |
| X ☐ Course number | ☐ References |
| ☐ Units | ☐ GE |
| ☐ Staffing formula and enrollment limits | X ☐ Other Justification and requirements |
| X ☐ Prerequisites/Corequisites | ☐ Reactivate Course |
| X ☐ Catalog description | |
| ☐ Mode of Instruction | |

Justification: Given the pre-requisites, a 300-level number is more appropriate. The pre-requisites are made more general so the course can be taken by both BSCS and BSIT students

2. Course Information.

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

OLD	NEW
Prefix IT Course# 280	Prefix IT Course# 380
Title Web Programming Units (3)	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: COMP 151 and MATH 301	X Prerequisites: COMP 151 or IT151 and MATH 300 or MATH 301
☐ Consent of Instructor Required for Enrollment	☐ Consent of Instructor Required for Enrollment
Corequisites: ☐	Corequisites: ☐
Catalog Description (Do not use any symbols):	Catalog Description (Do not use any symbols):
This course provides an overview of the many languages and techniques used in web programming. This includes Java, JavaScript, PHP, Python, Perl, JSP and ASP, as well as database query languages and XML. Sample applications are built for dynamic web pages and web sites.	This course provides an overview of the many languages and techniques used in web programming. This includes Java, JavaScript, PHP, Python, Perl, JSP and ASP, as well as database query languages and XML. Sample applications are built for dynamic web pages and web sites.
No credit given towards Computer Science degree.	
General Education Categories: ☐	General Education Categories: ☐
Grading Scheme (Select one below):	Grading Scheme (Select one below):
X A – F	X A – F
☐ Credit/No Credit	☐ Credit/No Credit
☐ Optional (Student's Choice)	☐ Optional (Student's Choice)
Repeatable for up to ☐ units	Repeatable for up to ☐ units
Total Completions ☐	Total Completions ☐
Multiple Enrollment in Same Semester Y/N ☐	Multiple Enrollment in Same Semester Y/N ☐
Course Level:	Course Level:
X Undergraduate	X Undergraduate
☐ Post-Baccalaureate	☐ Post-Baccalaureate
☐ Graduate	☐ 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**

This is a required course for the BSIT

X Requirement for the Major/Minor

Elective for the Major/Minor

Free Elective

NEW

This is an elective course for the BSIT and BSCS

Requirement for the Major/Minor

X 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. 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

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

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

7. 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
4. Server side scripting
5. PHP
6. ASP
7. Database fundamentals
8. XML
9. XML Document type definitions
10. MYSQL

NEW

- 1 Perl
- 2 Client side scripting
- 3 Javascript
- 4 Server side scripting
- 5 PHP
6. ASP
7. Database fundamentals
8. XML
9. XML Document type definitions
10. MYSQL

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. 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

NEW 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

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

9/13/2011

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
AVP		
Signature		Date