COURSE SYLLABUS

Tunxis Community College

Education That Works For a Lifetime

Course Title:	Web Design and Development I	**Date submitted:**	Spring 2014 (AAC: 14-28)
Department:	Business and Technology		
Curriculum:	Computer Information Systems		

Course Descriptors: Make certain that the course descriptors are consistent with college and Board of Trustees policies, and the current course numbering system.

Course Code: (eg. ACC 101)	CST*150
Course Type:	X

A: Clinical B: Lab D: Distance Learning
I: Individual/Independent L: Lecture N: Internship
M: Seminar P: Practicum U: Studio
X: Combined Lecture/Lab Y: Combined Lecture/Clinical/Lab Z: Combined Lecture/Studio

Elective Type:	G

AH: Art History E: English FA: Fine Arts FL: Foreign Language
G: General HI: History HU: Humanities LAS: Liberal Arts & Sciences
M: Math S: Science SS: Social Science

Credit Hours:	3
Developmental: (yes/no)	No
Contact Hours: Lecture:	2
Clinical:	0
Lab:	1
Studio	0
Other:	0
TOTAL:	3
Class Maximum:	24
Semesters Offered:	F/Sp

Prerequisites:

C- or better in Programming Logic and Design with Visual Basic (CSC*126)

Corequisites:

None

Other Requirements:

None

Catalog Course Description:

Designed primarily for the CIS student, this course will introduce the student to the rudimentary concepts and applications of the HTML, XHTML, Cascading Style Sheets, XML and JavaScript to produce and publish both static and interactive Web sites. Students will produce a Web site that will integrate these techniques in both client- and server-side applications.

Topical Outline: List course content in outline format.

1. Develop a web page
2. Develop a web site
3. Work with cascading style sheets
4. Create special effects with CSS
5. Work with Web Tables
6. Work with Web Forms
7. Work with Multimedia
8. Design a Web Site with Frames
9. Work with XHTML
10. Program with JavaScript (optional)
11. Create an XML Document
12. Work with Namespaces
13. Validate Documents with DTDs

	14. Validate Documents with Schemas
Outcomes: Describe measurable skills or knowledge that students should be able to demonstrate as evidence that they have mastered the course content.	Upon successful completion of this course, the student will be able to do the following: COURSE: 1. understand the basic structure of HTML 2. create, edit and test simple Java scripts 3. develop a basic Web site architecture
	PROGRAM: *(Numbering reflects Program Outcomes as they appear in the college catalog)* COMPUTER INFORMATION SYSTEMS ASSOCIATE DEGREE - Applications Software: 2. create, publish and maintain a web site
	GENERAL EDUCATION: *(Numbering reflects General Education Outcomes as they appear in the college catalog)* 2. **Critical Analysis/ Logical Thinking -** Students will be able to organize, interpret, and evaluate evidence and ideas within and across disciplines; draw reasoned i inferences and defensible conclusions; and solve problems and make decisions based on analytical processes. **Demonstrates**: Identifies the issue(s); formulates an argument; explains and analyzes relationships clearly; draws reasonable inferences and conclusions that are logical and defensible; provides support by evaluating credible sources of evidence necessary to justify conclusions. **Does Not Demonstrate:** Identifies few or no issues; formulates an argument without significant focus; provides an unclear explanation of analysis and relationships; drawing few reasonable inferences and conclusions that are illogical and indefensible; provides little to no support using credible sources of evidence necessary to justify conclusions.
Evaluation: List how the above outcomes will be assessed.	Assessment will be based on the following criteria: 1. weekly exercises 2. written exams 3. production of a final Web site that successfully demonstrates a working knowledge of the techniques covered in class (that web site will be uploaded into ePortfolio)
Instructional Resources: List library (e.g. books, journals, on-line resources), technological (e.g. Smartboard, software), and other resources (e.g. equipment, supplies, facilities) required and desired to teach this course.	Required: No special facilities are required. Desired:
Textbook(s)	Textbook: Refer to current academic year printout.