

CSC K153 Course Syllabus

Spring 2011

Course: CST K153 – Web Development I

Program: Computer Science Technology

Hours: W 6:00 pm–9:30 pm (Room E119)

Instructor: Allan Anderson

Office: Room C106

Office Hours: Campus Office Hours: Monday (4:00 pm - 5:15 pm)

Wednesday (1:00 pm - 2:00 pm, 5:15 pm - 6:00 pm)

Messages: Blackboard Vista Mail preferred

Phone: (860) 885-2392 (Voice Mail)

E-mail: aanderson@trcc.commnet.edu

Delivery Format: on-ground with limited online via Blackboard

Dates: Jan. 26 – May 11. No class Mar. 16. Apr. 13 class may be online only.

Textbook: Patrick Carey, *HTML, XHTML, and XML, Third Edition*, Course Technology Incorporated, 2009, 0-495-80640-4

Course Objectives: The main objective of this course is to teach students the fundamental concepts underlying the current web technologies, specifically HTML, XHTML, and XML. The course will attempt to solidify the concepts by exposing the student to a variety of web page design and development exercises. Specifically at the course completion students will be able to describe, design and use web technology features including but not limited to the following:

- | | |
|---|--|
| <ul style="list-style-type: none">• Describe the essential concepts of HTML, XHTML, and XML• Design/develop a basic web page• Design/develop a basic web site | <ul style="list-style-type: none">• Work with tables, frames, web page forms, cascading style sheets, JavaScript, and namespaces• Create and validate XML documents and XML schemas |
|---|--|

Software: This course will specifically use the Windows NOTEPAD editor and/or the MAC TEXTEDIT (ignore HTML settings) editor as well as Internet Explorer and Firefox browsers.

Supplies and Materials: Removable media will be required. A USB memory device with a minimum of 64MB is recommended.

Lab Assignments: Weekly assignments from the end of chapter problems or from additional instructor handouts will be given. The hand-in format will be via Blackboard Vista unless otherwise noted. Class assignments should be submitted on or before the due date and time. A late assignment will lose 20% of the score for that assignment if submitted late. No assignments will be accepted after the cutoff date. Assignments will be graded on professionalism, accuracy, style and completeness. The details for each assignment, including work to be done and the due date and cutoff date, will be posted in that assignment's drop box. Students are encouraged to interact with the instructor or other students on these assignments via Blackboard Vista discussion boards but must personally perform the necessary actions to complete the assignments.

Grading and Evaluation Criteria:

- 35 % of the grade is based on chapter examinations
- 35 % of the grade is based on a final exam project
- 30 % of the grade is based on lab assignments

Final course grades will be assigned as objectively as possible, according to the following scale (a class curve may be used at the discretion of the instructor):

| | |
|---------------|----------|
| 90 - 100% | A- to A |
| 80 - 89% | B- to B+ |
| 70 - 79% | C- to C+ |
| 60 - 69% | D- to D+ |
| 59% and Below | F |

College Withdrawal Policy: Students may withdraw, through the Registrar’s Office, for any reason. For the Spring 2011 semester, the last date to do this is May 9. The withdrawal process must be initiated by the student. Failure to do so will result in a semester grade based on the work completed before the student stopped attending the class.

Academic Integrity: Students are expected to do their own work in this class. Working together to better understand the material is acceptable. Submitting duplicate work is not and will adversely affect the assignment grade. Actively participating in the discussion boards both to ask and to answer questions is expected of all students. Posting of detailed instructions for “how to” responses to questions is encouraged but posting of a complete solution is not. Example violations include but are not limited to:

- Copying or sharing a file or any portion of a file from another student.
- Sharing or allowing another student to copy your files or any portion of a file.
- Duplicating or distributing copies licenses for software programs and/or services.
- Unauthorized access or use of university computers, computer systems or computer network.

Students with Disabilities: If you are a student with a disability and believe you will need support services and/or accommodations for this class, please contact the Disabilities Support Services at TRCC. Please note that the instructor cannot provide accommodations based upon disability until the instructor has received an accommodation letter from the Disabilities Counselor.

| Week | Topics | Assignments |
|-------------|--|-------------------------------------|
| 1 1/26 | Developing a Web Page | Tutorial 1 Tutorial 1 problems |
| 2 2/2 | Developing a Web Site | Tutorial 2 Tutorial 2 problems |
| 3 2/9 | Tutorials 1 & 2 Test Working with Cascading Style Sheets | Tutorial 3 Tutorial 3 problems |
| 4 2/16 | Creating Special Effects with CSS | Tutorial 4 Tutorial 4 problems |
| 5 2/23 | Working with Web Tables | Tutorial 5 Tutorial 5 problems |
| 6 3/2 | Tutorials 3, 4, & 5 Test Working with Web Forms | Tutorial 6 Tutorial 6 problems |
| 7 3/9 | Designing a Web Site with Frames | Tutorial 8 Tutorial 8 problems |
| 8 3/23 | Tutorials 6, & 8 Test Working with XHTML | Tutorial 9 Tutorial 9 problems |
| 9 3/30 | Programming with JavaScript | Tutorial 10 Tutorial 10 problems |
| 10 4/6 | Tutorials 9 & 10 Test Creating an XML Document | Tutorial 11 Tutorial 11 problems |
| 11 4/13 | Working with Namespaces No class session/online only. | Tutorial 12 Tutorial 12 problems |
| 12 4/20 | Validating Documents with DTDs | Tutorial 13 Tutorial 13 problems |
| 13 4/27 | Validating Documents with Schemas | Tutorial 14 Tutorial 14 problems |
| 14 5/4 | Validating Documents with Schemas Tutorials 11, 12, 13, & 14 Test | Tutorial 14 Tutorial 14 problems |
| 15 5/11 | No class session. | Final Exam Project Due |

Note: The foregoing course outline is subject to change as conditions warrant.