

# CST K153 Course Syllabus

## Spring 2016

**Course:** CST K153 – Web Design & Development I

**Program:** Computer Science Technology

**Instructor:** Allan Anderson

**Private Contact Methods:** Blackboard Messages (preferred) *or* Email [aanderson@trcc.comnet.edu](mailto:aanderson@trcc.comnet.edu) (emergency only) for private (one-to-one) communications

**Public Blackboard Discussions:** all students and instructor communications on class topics - this is the primary class communication method

**Campus Office Hours:** Wednesday (1:00 pm - 2:30 pm, 4:30 pm – 6:00 pm), other days/hours by appointment

**Campus Office:** Room C/106

**Campus Phone:** (860) 215-9403 (with voice mail)

**Instructor Response Time Objectives:** Electronic Messages - 48 hours (weekdays), 72 hours (weekends)  
Discussion posts - 24 hours (weekdays), 48 hours (weekends)  
Assignment grading – 1 week or less from due date (no assignments are graded before the due date)  
Phone messages – 72 hours (weekdays), 96 hours (weekends)

**Delivery Format:** online via Blackboard Learn.

**Textbook:** Patrick Carey, *HTML, CSS, and XML, 4th Edition*, Course Technology Incorporated, 2014, 978-1-285-05909-9

### Course Objectives:

- To provide the student with guidelines for electronic communication techniques in a business/academic environment and the opportunity to use these techniques for class activities throughout the semester. Specifically this will include Blackboard class announcements, discussions, messages, assignment submissions, and other techniques as appropriate. In addition, this will include the opportunity to use your TRCC online learning portfolio in Digication for certain class activities. Using appropriate sources and formulating effective writing strategies will be embedded in all writing activities
- To provide the student with basic knowledge of and ability to use the fundamental web technologies, specifically HTML, CSS, 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"><li>• Describe the essential concepts of HTML, CSS, XHTML, and XML</li><li>• Design/develop a basic web page</li><li>• Design/develop a basic web site</li></ul>	<ul style="list-style-type: none"><li>• Work with tables, frames, web page forms, cascading style sheets, JavaScript, and namespaces</li><li>• Create and validate XML documents and XML schemas</li></ul>
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**Software:** This course will specifically use the Windows NOTEPAD editor and/or the MAC TEXTEDIT editor (ignore HTML settings) editor as well as versions of the Internet Explorer, Chrome, Safari, and Firefox browsers that support HTML5 and CSS3. It is critical that no additional formatting or file modification be performed by the text editor used by a student as NOTEPAD in addition to the browsers listed will be used by the instructor for grading purposes. We will NOT use high-level web design/development tools like Dreamweaver. You may use an editor with HTML support like Notepad++ that does not do additional formatting and file modification. **The Microsoft Edge browser should not be used in this class other than for experimentation.**

**Course Pace:** Although there is flexibility in when the student works on this course, it is not self-paced. Assignments, with due dates, will be released throughout the semester. Quizzes/tests will be available immediately after assignments are due and are available for a limited time only.

**Lab Assignments:** assignments from textbook chapter problems or from additional instructor handouts will be given. The hand-in format will be via Blackboard Learn assignment submission. Class assignments should be submitted on or before the due date and time. A late assignment will lose 10% of the points 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 Blackboard. Students are encouraged to interact with other students and the instructor on these assignments via Blackboard Learn discussion boards but must personally perform the necessary actions to complete the assignments.

**Grading and Evaluation Criteria:**

30 % of the grade is based on chapter examinations

20 % of the grade is based on a final exam project

40 % of the grade is based on lab assignments

10% of the grade is based on discussion (online) participation and an instructor designated assignment for submission as a General Education artifact using Digication

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

**Withdrawing from the course:** A student who simply stops submitting work will receive a grade based on the submitted work only which will usually be a failing grade. To receive a "W" grade instead, apply for a withdrawal through the registrar's office by May 9<sup>th</sup>. A "W" will be entered on the student transcript.

**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 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.

**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.

**Class cancellations:** as a fully online class with no meetings on campus, any college delay or closing due to weather or other circumstances will have little to no impact on scheduled activities for this class. However, if there is an impact (such as a widespread power outage might cause), then your instructor will inform you of any changes to existing dates.

<b>Week</b>	<b>Topics</b>	<b>Approximate Assignment Due Dates (check online for actual)</b>	<b>Assignments</b>
1	Getting Started with HTML5	1/29	Tutorial 1 Tutorial 1 problems
2	Developing a Web Site	2/5	Tutorial 2 Tutorial 2 problems
3	Tutorials 1 & 2 Test  Designing a Web Page with CSS	2/11	Tutorial 3 Tutorial 3 problems
4	Creating Page Layouts with CSS	2/19	Tutorial 4 Tutorial 4 problems
5	Working with Tables and Columns	2/26	Tutorial 5 Tutorial 5 problems
6	Tutorials 3, 4, & 5 Test  Creating a Web Form	3/4	Tutorial 6 Tutorial 6 problems
7	Enhancing a Web Site with Advanced CSS	3/11	Tutorial 8 Tutorial 8 problems
8	Tutorials 6, & 8 Test  Working with XHTML	3/18	Tutorial 9 Tutorial 9 problems
9	Programming with JavaScript	4/1	Tutorial 10 Tutorial 10 problems
10	Tutorials 9 & 10 Test  Creating an XML Document	4/8	Tutorial 11 Tutorial 11 problems
11	Validating Documents with DTDs	4/15	Tutorial 12 Tutorial 12 problems
12	Validating Documents with Schemas	4/22	Tutorial 13 Tutorial 13 problems
13-14	Working with Advanced Schemas  Tutorials 10-14 Test	5/6	Tutorial 14 Tutorial 14 problems
15	Final Project.	5/13	To be determined

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