Three Rivers
COMMUNITY COLLEGE

Course and Instructor Information

Course Title: Web Design & Development (CST K153)
Credits: 4
Format: Online
Instructor: Patrick Burton
Location: Blackboard Learn Online
Email: pburton@trcc.commnet.edu
Office Hours/Availability: Monday (3:30 – 4:30pm)
                               Wednesday (12:15 – 1:15pm & 3:30 – 4:30pm)

This course may contain copyrighted information.

All information is subject to change at any time. Check the course **Blackboard Learn** site for announcements and updates.

Course Materials

Online version or physical textbook should be obtained by the first week since it will be used throughout the semester for content, concepts, assignments, etc.

HTML, CSS, and XML 4ᵗʰ Edition by Patrick Carey & Sasha Vodnik

ISBN-10:   1-285-06275-2

ISBN-13: 987-1-285-06275-4

Publisher: Cengage

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Additional course materials including lecture notes, links, assignments, and handouts will be posted on this courses site within **Blackboard Learn**.

Required Software/Supplies

Unless otherwise stated, the course **Blackboard Learn** site is required for all assignment submissions. Email or hard copy submission **will not be accepted.**

HTML, CSS, XML, JavaScript and text-based web files must be readable from any ASCII capable editor such as Windows NOTEPAD editor, NOTEPAD++ editor and/or the MAC TEXTEDIT. Your HTML, etc. files must work with 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.

Note: The Microsoft Edge browser may be used in this class but a second browser like Firefox, Chrome, or Safari should also be used to test all content and submissions.

Homework Assignments Requiring Documentation or Presentations above and beyond HTML content generation must use:

- Microsoft Office Word 2003+
- Microsoft Office PowerPoint 2003+

Course Description

This course examines the fundamentals of Web Design and Development and includes an introduction to the World Wide Web, effective Web page design practices, modern browsers and debugging along with XML, HTML, XHTML, web graphics, authoring software, and scripting. The course includes detailed discussion of graphics formats, the appropriate use of graphics and text, font selection, use of meta-tags, navigation techniques, and methods of optimizing websites. This course is aimed at students with no web experience but a desire to learn and apply concepts to communicate persistent effective web-based solutions.

Specifically at the course completion students will be able to describe, design and use web technology features including but not limited to the following:

• Describe the essential concepts of HTML, CSS, XHTML, and XML • Design/develop a web page • Design/develop a web site	• Work with tables, frames, web page forms, cascading style sheets, JavaScript, and namespaces • Create and validate XML documents and XML schemas

Course Outline/Schedule

Week	Topics/Reading Assignments
1	**Tutorial 1 – Getting Started with HTML5**
2	**Tutorial 2 – Developing a Web Site**
3	**Tutorial 3 – Designing a Web Page with CSS**
4	**Tutorial 4 – Creating Page Layouts with CSS** **Test 1**
5	**Tutorial 5 – Working with Tables and Columns**
6	**Tutorial 6 – Creating a Web Form**
7	**Tutorial 7 – Designing a Multimedia Web Site** **Test 2**
8	**Tutorial 8 – Enhancing a Web Site with Advanced CSS**
9	**Tutorial 9 – Working with XHTML**
10	**Tutorial 10 – Working with JavaScript** **Test 3**
11	**Tutorial 11 – Creating an XML Document**
12	**Tutorial 12 – Validating Documents with DTDs**
13	**Tutorial 13 – Validating Documents with Schemas** **Test 4**
14	**Tutorial 14 – Working with Advanced Schemas**
15	**Final Project**

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

Course Requisites

1. **Attendance**: Students are expected to be punctual and responsible for all assigned text reading materials and any additional course content posted on the course **Blackboard Learn** site.
2. **Participation:** Active and positive online discussion participation is expected. A large part of the learning experience will come from discussion of problems and techniques presented in the reading, notes and from the homework assignments.

3. **Assignments:** All assignments are to be your own work and are due by the **date and time** posted with the assignment on the course **Blackboard Learn** site.
4. **Homework:** Homework assignments will typically be assigned on a weekly basis. Homework assignments will generally consist of the various aspects of the reading and posted content concepts and/or related research items.
    a. Homework assignments are graded on *both* the quality of the required written documentation and on the quality of the actual computer code (*e.g.*, HTML, CSS, XML), code comments, *etc*.
    b. To receive full credit, assignments must meet all requirements and specifications, *and* must do so within the quality guidelines described in the assignment text and class discussions.
    c. It is recommended that individuals start working on a homework assignment as soon as it is released, and ask questions several days before due if additional explanations are needed on a specific assignment.
5. **Electronic submission of assignments:** Written documentation and answers to questions pertaining to an assignment *must* be submitted using Microsoft Word 2003+ (**.doc** or **.docx**) formats unless otherwise specified such as ASCII-based HMTL, CSS, etc.
    a. **All documentation, code, scripts, etc. shall be submitted electronically** using the appropriate course **Blackboard Learn** site assignment link.
    b. Remember, because clocks do not always match, you should be submitting your assignment at least 15 minutes before it is due. Extenuating circumstances should be discussed with the instructor **prior to the due date**.
    c. It is the student's responsibility to check before the deadline that the files they have uploaded have been effectively submitted and are not unreadable or corrupted. Students should check that their files have been correctly submitted by downloading them and testing that they can open and/or run the files.
6. **Quizzes/Tests:** Quizzes covering the material in the reading, assignments, and/or our discussions will be posted and announced online, while tests will be announced and scheduled at least a week in advance.
7. **Project**: There will be a website computing project that will encompass multiple facets of the material covered. To receive full credit, multiple submission milestones must be met along with a final website including submission of all graphics, folder structures, and content. Additional project and submission details will be provided via the course **Blackboard Learn** site.
8. The instructor reserves the right to change topics and dates accordingly as the semester progresses. All changes will be communicated in an appropriate manner (such as updates within **Blackboard Learn** site).

Course Grading

Late submissions of assignments are not accepted without penalty.

- You have up to 5 days after due date to submit with a **20%** penalty for each day.
- After 5 days, 0 points will be received for the submission.
- **Quizzes and Tests are as scheduled with no makeups.**
- **Final Projects are not accepted late.**

- Extenuating circumstances should be discussed with the instructor at least one week prior to any due date or as soon as feasible depending on the situation. Additionally, other college accepted correspondence or paperwork may be required for justification.

Summary of Course Grading:

Course Component	Weight
Participation	10%
Assignments/Homework	30%
Quizzes/Tests	30%
Project	30%

Grading Scale:

Grade	Letter Grade
93-100	A
90-92	A-
87-89	B+
83-86	B
80-82	B-
77-79	C+
73-76	C
70-72	C-
67-69	D+
63-66	D
60-62	D-
<60	F

Student Responsibilities

Online Learning Portfolio

All students are required to maintain an online learning portfolio in Digication that uses the college template, in as much as it is pertinent and supported by outcome products of this course. Through this electronic tool students will have the opportunity to monitor their own growth in college-wide learning. The student will keep his/her learning portfolio and may continue to use the Digication account after graduation. A Three Rivers General Education Assessment Team will select and review random works to improve the college experience for all. Student work reviewed for assessment purposes will not include names and all student work will remain private and anonymous for college improvement purposes. Students will have the ability to integrate learning from the classroom, college, and life in general, which will provide additional learning opportunities. If desired, students will have the option to create multiple portfolios.

Withdrawing from the Course

A student who simply stops submitting work will receive the grade earned on that work, usually a failing grade. To receive a "W" grade instead, apply for a withdrawal by May 4th. A "W" will be entered on the student transcript. An "N" (implicit withdrawal) may be entered for a student that stops submitting work before 60% of the class is completed but it will still show up as an "F" on your 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. 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 of licenses for software programs and/or services.

Any and all exams, papers or reports submitted by you and that bears your name is presumed to be your own original work that has not previously been submitted for credit in another course unless you obtain prior written approval to do so from your professor.

In all of your assignments, including homework or drafts of papers, you may use words or ideas written by other individuals in publications, web sites, or other sources but only with proper attribution. "Proper attribution" means that you have fully identified the original source and extent of your use of the words or ideas of others that you reproduce in your work for this course, usually in the form of a footnote or parenthesis.

As a general rule, if you are citing from a published source or from a web site and the quotation is short (up to a sentence or two), place it in quotation marks; if you employ a longer passage from a publication or web site, please indent it and use single spacing. In both cases, be sure to cite the original source in a footnote or in parentheses. (See http://www.plagiarism.org/plag_article_how_do_I_cite_sources.html for more information on citing.)

If you are uncertain about the expectations for completing an assignment or taking a test or examination, be sure to seek clarification from your professor beforehand.

Finally, you should keep in mind that as a member of the Three Rivers Community College community, you are expected to demonstrate integrity in all of your academic endeavors and will be evaluated on your own merits.

Be proud of your academic accomplishments and help to protect and promote academic integrity. The consequences of cheating and academic dishonesty may include a formal discipline file, possible loss of financial scholarship or employment opportunities, and denial of admission to a four-year college.

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.