

WEB-210 – Web Development II Course Syllabus

Course Code:

WEB-210

Course Title:

Web Development II

Course Description:

In this course, students learn advanced front-end coding and also are introduced to JavaScript and the DOM. The topics covered include media queries for responsive design, accessible web development using ARIA, CSS pre-processors, and front-end frameworks. Students will write valid, semantically accurate and accessible HTML5 code and will learn the basics of unobtrusive JavaScript.

Prerequisites:

Academic Reading and Writing Levels of 6 and WEB-110 (Web Development I) minimum grade "C" or WEB-110 (Web Development I) test minimum score 70%. Please refer to WCC's Academic Levels and Course Placement chart found here: <https://www.wccnet.edu/start-now/placement-assessment/academic-levels.php>.

Outcomes and Objectives:

[Please refer to the WEB-210 Master Syllabus](#)

Required Materials and Software:

Please confirm edition with [WCC Website](#) or go to the WCC Bookstore and use the Find the Course Materials feature to view the required and recommended course materials: <https://washtenaw.bncollege.com/course-material/course-finder>

There is no textbook for this course and all readings are linked from the Blackboard modules. You are welcome to use other online resources or books (beyond those linked from the learning modules), but quizzes and class assignments (labs and layouts) will consider the materials linked from Blackboard as the authoritative resources. Not everything published on the Internet is accurate or even helpful when troubleshooting a coding issue, so keep that in mind.

Browsers

Windows users should have, or should install, the following browsers on their home computer:

- Chrome (latest version)
- Firefox (latest version)
- Internet Explorer 11 and/or Edge (depending on Windows version)

Mac OS X users should have, or should install, the following browsers on their home computer:

- Chrome (latest version)
- Firefox (latest version)
- Safari (latest version available for your version of Mac OS X)

File Transfer

For file transfer FileZilla is recommended, although you can use other SFTP (Secure File Transfer Protocol) programs as desired. If you need a recommendation for another program to use (other than FileZilla), please email me.

- Windows users: Download FileZilla from <https://ninite.com/>; other download locations will install unwanted additional software.
- Mac users: Download FileZilla from <https://filezilla-project.org/>; click the “Download FileZilla Client” button. When downloading and installing pay attention to the prompts and make sure to unselect any unwanted software, such as the Yahoo toolbar.

Text Editing

- All your work in this course must be done in a text editor and all code must be written by hand in the text editor.
- You are not permitted to use programs with a visual editor (a WYSIWYG editor, such as Dreamweaver) or programs that generate code for you. Usage of those programs will result in no credit for the assignment.
- Sublime Text 4 (<https://www.sublimetext.com/download>) is the recommended text editor, as it is available for Windows and for Mac OS X. You will want the latest version. If that program does not work for you, please contact me for alternatives. There is no cost to try out Sublime Text 4; if you like it and want to continue using it after this course, I recommend you purchase a license.

Basic Technical Skills Required

It is assumed that students have basic computer proficiency. If you struggle to use computers, then you should take a basic computer course before taking WEB 110. Specific computer skills that are needed include, but are not limited to, the following:

- Proficiency using web browsers
- Proficiency creating, naming/renaming, moving, and deleting files and folders
- Proficiency compressing (zipping) and un-compressing (unzipping) files
- Proficiency with copying, cutting, and pasting
- Proficiency downloading and installing computer software

Time Commitment and Effort Required

The time required to successfully complete the work for a given week varies significantly from student to student, and from week to week (the material grows more challenging as the semester progresses). What takes one student 15 minutes could take another student over an hour. This is especially true when we get to JavaScript, as you are shifting from text markup and style languages to programming, and that is a big adjustment.

Given those factors, the time required per week could vary from 4 hours to 16 hours. The weeks when there are layouts due will be the most time-intensive, and for that reason those weeks do not have a lab assigned.

Grading and Determining Your Grade:

- Grades are posted in Blackboard under My Grades.
- Grading is typically completed within a week of the assignment due date.

Grades are determined based on your performance on 10 labs, 14 quizzes, 4 layouts, 4 discussion boards, and 4 individual check-ins with the instructor. There are 920 points total in the course.

Graded Items	Points Each	Points Total	Percentage of Final Grade
Labs (11)	30	300	~32.6%
Quizzes (14)	10	140	~15.2%
Discussion Boards (4)	10	40	~4.3%
Layouts (4)	100	400	~43.5%
Individual Check-Ins (4)	10	40	~4.3%

Course Deadlines

- The course schedule has all the specific deadlines.
- Labs, quizzes, and layouts are due on Sundays at 11:59 p.m.
- Discussion boards have two due dates: the first due date is for your initial post and that is on Thursdays at 11:59 p.m.; the second due date is for your reply to another student's post and that is due on Sundays at 11:59 p.m.
- The only exception to this schedule occurs in the first and last week of the semester.

Labs

- The purpose of labs is to practice the material for that module.
- Labs also provide an opportunity for the instructor to give you feedback regarding your code before you need to apply that knowledge in a layout.

Quizzes

- The purpose of quizzes is to check your understanding of the module content; it is the "book learning" while labs are the "hands on" learning.
- All quizzes contain five questions and are multiple choice.
- Each question is worth 2 points for a total of 10 points.
- There is a quiz for nearly every week of the semester; please consult the class schedule for details.

Layouts

- Layouts are a culmination of the learning and practice that has taken place in the course.
- Layout 1 uses the material from Modules 1-3.
- Layout 2 uses the material from Modules 4-6.
- Layout 3 uses the material from Modules 7-9.
- Layout 4 uses the material from Modules 10-14.

Discussion Boards

- There are four discussion boards throughout the course of the semester.
- Taking part in the first discussion board is how you verify your attendance in the course, which has important financial aid ramifications.

- Later discussion boards have you sharing advice/lessons learned and reflecting on the class.
- There is always an initial post and a reply for the discussion boards; consult the class schedule for details.

Individual Check-Ins

- There are four individual check-ins over the course of the semester.
- These are Zoom meetings that use the same URL as the Virtual Office Hours (see the 'Virtual Office Hours' in the Blackboard site for the meeting details).
- The purpose of these check-ins is to get your questions answered, review your code for various assignments, etc.
- These are individual meetings between the student and the instructor, scheduled at a time that works for both. This does not have to be Monday – Friday, although it often is.
- The duration of the meeting is largely at your discretion; it depends how much we need to discuss and review.
- Each is worth 10 points.
- I will send out announcements when it is time to get a check-in scheduled, asking for you to email me with some days/times that work for your schedule. We will settle on one and meet then.

Late Assignments

No credit is given for late submissions. This includes all graded work in this course (labs, quizzes, and layouts).

Submitting Labs and Layouts

When labs and layouts are submitted you will always include a URL to where your code resides on the WCC student server, as well as a zip archive (a .zip file) containing your code.

- Do not submit other types of file archives – it needs to be a zip archive.
- You cannot change your code on the student server after you have submitted it, and before it has been graded; that will result in no credit for the assignment.
- Be sure to verify that the URL you are including resolves (loads) properly; often it is best to copy/paste directly from the browser's address bar as you are viewing the page in the browser.
- Labs and layouts that are not submitted correctly will receive no credit.
- I recommend submitting your labs and layouts at least 24 hours before they are due.
- Make sure to give yourself enough time to complete the work and account for any issues. Waiting until the last minute will not work in this class.

Email Communication

- Please send emails from your WCC account, in order to be compliant with federal privacy regulations.
- Provide a clear subject line and always include your first and last name in the email message.

- If you have a coding question/issue for a lab or layout, it is most helpful to include a URL to your code on the space server.

Expectations and Availability of Instructor

I will usually respond to email within 24 hours. You should make a habit of checking your email on a regular basis as well.

Academic Integrity:

Plagiarism and other forms of academic dishonesty will result in discipline according to the [WCC Student Rights & Responsibility guidelines](#). Always complete your own work using your own words. If you do use information, ideas, or words from other sources, credit that source using MLA or APA format.

This includes collaborating with other students on work for the course; all work must be done by each student individually.

To improve student learning, lab and layout solutions are given out after grading has completed. These solutions are not to be shared with anyone outside of this class. If it is discovered that a solution has been shared or copied all parties involved will immediately fail the course.

A student taking this class over and attempting to use a previous semester's work (labs and/or layouts) as their current work, is violating academic honesty and will fail the course.

Accommodation of Special Needs:

[Learning Support Services Department](#) provides support to students who may need accommodation for documented disabilities, or other learning need. WCC will work with you to accommodate any of your individual learning needs, however, I need to know of any requests in advance in order to make the necessary arrangements.

WCC Student Policies and Support Information:

Review the material within the Washtenaw Community College Student Policies and Support Information for additional policies and procedures that affect you and your course. Find this information [on this shared page](#).