

Course Name: CS 195 Fundamentals Web Design

Term(s): Winter 2025-2026	Class Time: 40-90 minutes per class (depending on days)	Class Location: Rm. 166	Credit Hours: 4
Teacher: Judson Birkel	Phone: 503-39-3252	Email: Birkel_judson@salkeiz.k12.or.us	

Course Description

Fundamentals of web design using HTML, CSS and Bootstrap. Web design best practices are covered, including accessibility, usability and consistency. Bootstrap will be implemented to develop functional and interactive web sites.

Course Standards

Learning Outcomes

1. Develop a working knowledge of HTML, CSS, Bootstrap.
2. Use HTML to structure a website and CSS to layout and style it.
3. Use Bootstrap to create interactive and dynamic user experiences.

Course Outline

Modules	Topics
HTML 1	Structure, Text, Lists, Links
HTML 2	Images, Tables, Forms, Extra Markup
CSS 1	CSS Intro, Color, Text, Boxes
CSS 2	Lists, Table & Forms, Process & Design
Bootstrap 1	CDN, Breakpoints, Containers, Grid, Columns
Bootstrap 2	Typography, Tables, Images, Collapse, Nav, Navbar
Bootstrap 3	Jumbotron, Carousels, Spinners, Cards,
Design	Using paper and colored pencil design a 3 page web site.
Final Project	3 page web site based on design work

Important Definitions

HTML – Hyper Text Markup Language is used to create the structure of the website.

CSS – Cascading Style Sheets are used for:

- Presentation – Control the color of text, choose fonts, their sizes and weights, add background images, and so much more.
- Layout – Control of the positioning of elements on a page.

Bootstrap - the most popular CSS Framework for developing responsive and mobile-first websites. Using premade widgets with CSS add interactive elements to make a web page interactive.

Recommended Development Environment

It is highly recommended to Visual Studio Code. It is a lightweight Integrated Development Environment that is used professionally so students will be using real tools.

[Instructions](#) on how to install VS Code on a Chromebook.

Future of Web Design Careers

Summary

Quick Facts: Web Developers and Digital Designers	
2021 Median Pay ?	\$78,300 per year \$37.65 per hour
Typical Entry-Level Education ?	Bachelor's degree
Work Experience in a Related Occupation ?	None
On-the-job Training ?	None
Number of Jobs, 2021 ?	197,100
Job Outlook, 2021-31 ?	23% (Much faster than average)
Employment Change, 2021-31 ?	45,400

[For more information on the details of the job](#)

Resources

[HTML](#)

[CSS](#)

[Bootstrap](#)

Required Texts

Supplementary materials will be provided.

Grades

College Grade

Final grades are based on a student's total points in the course.

Portfolio Element	Point Value
HTML Portfolio	80
CSS Portfolio	80
Bootstrap Portfolio	80
Design Mock-up	80
Final Portfolio	160

Formula:

$(\text{HTML Portfolio pts}) + (\text{CSS Portfolio pts}) + (\text{Bootstrap Portfolio pts}) + (\text{Design Mock-up pts}) + (\text{Final Portfolio Points pts}) / 480 = \text{Final Grade \%}$

Grading Scale:

100 - 89.5% - A

89.4 - 79.5% - B

79.4 - 72.5% - C

72.4 or lower - No grade

High School Grade

Various assignments will be given throughout the semester and their point values will be based on their complexity and length of time to complete. For questions regarding grades, please consult your instructor.

Classroom Policies

Attendance: Students are expected to be in class participating as much as possible. When gone, please consult your instructor as soon as possible to find out what was missed and what needs to be made up. Though attendance is not part of your grade, you are still responsible for the missed work. Though the absence may be excused, the work missed is not.

Willamette Promise Policies

Assessment Based-Learning

Western Oregon University's Willamette Promise Dual Credit courses are awarded through the Assessment-Based Learning model. This means that students will receive college credit based on their ability to show proficiency in the course standards. Students will demonstrate this proficiency through assessments designed by Western Oregon faculty that are scored by the participating high school teachers. Teachers are given and trained on rubrics codesigned by the college faculty. Students will not receive credit if their work does not meet standards.

College Registration

All students are required to register in the Willamette Promise Portal and enroll in their courses. Failure to do so will result in not being able to earn credit.

Accepting or Declining Grades

After completing the required course assessments, students will be provided with their final college grade. If a student receives a “C” or higher, they will have the option to accept or decline having their grade transcribed onto their Western Oregon University transcript. Students will receive an email with instructions on accepting or declining their grade in the Willamette Promise Portal. Taking no action by the deadline will be considered a decline, and the grade will not be transcribed to Western Oregon.

College-Level Content

Western Oregon University determines the curriculum for this course. In college, students are often exposed to a range of ideas, some aligning with their own views and values and others not. We do not expect students to agree with what they read. However, we do expect students taking a college course to be emotionally mature enough to read, discuss, and consider viewpoints other than their own.

Library

Students have access to the Western Oregon Library and are encouraged to use it.

<https://library.wou.edu>

Western Oregon University Policies

Disability Accommodations: If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact both your instructor and Addie Howell, Willamette Promise Accelerated Learning Manager, 503-385-4783 or addie.howell@wesd.org.

Veterans' Accommodations: Western Oregon University recognizes that those actively serving in the Reserves or National Guard of the United States are required by their military contract to attend mandatory training. If you will be absent due to military orders, I strongly encourage you to communicate that with me as soon as possible so we may discuss alternative arrangements.

Academic Integrity: Students must adhere to WOU's Code of Student Responsibility. Academic dishonesty will not be tolerated in this course. I will report all instances of suspected dishonesty to the Student Judicial Committee for further action. Examples of inappropriate behavior include doing assigned work for another student, sharing answers on work assigned to be done individually, sharing or copying answers during an exam, or portraying another person's writing as your own

Tentative Schedule

HTML Structure (2 weeks)

CSS Structure & Fonts (2 weeks)

HTML Images, Links, and Videos (1 week)

Lists, Tables, & CSS Selectors (3 week)

Containers, Identifiers, and Box Model (1 week)



Willamette
EDUCATION SERVICE DISTRICT



Western Oregon
UNIVERSITY

Bootstrap (2 week)

Flexbox & Layout (2 week)

Design Principles (1 week)

Content Management Systems (2 week)

Final Project (2 Weeks)