

Course Syllabus Part I

CSD 340 Web Development with HTML and CSS

3 credit hours

Course Description

This course examines the fundamentals specific to web development. Topics will include web standards, accessibility/usability, and the markup languages, which serve as the foundation for web development: Hypertext Markup Language 5 (HTML5), Cascading Style Sheets (CSS), and Extensible Markup Language (XML). Students work with these languages at a basic level, learning the essential structures, coding conventions, and best practices associated with the effective use of HTML5 and CSS in modern web-development environments.

Course Prerequisites

None

Course Skills

- Develop web pages using HTML5, CSS and XML to meet project requirements.
- Design, document, and debug HTML.
- Critique web page design elements to promote alignment with contemporary style and best practices.

Course Objectives

Students who successfully complete this course should be able to:

- Write HTML and CSS code to create web pages.
- Discuss web development tools.
- Apply critical thinking to issues associated with web pages.

Grading Scale

<u>Letter Grade</u>	<u>Percentage Grade</u>	<u>Letter Grade</u>	<u>Percentage Grade</u>
A	≥ 92.5%	C	< 76.5% and ≥ 72.5%
A-	< 92.5% and ≥ 89.5%	C-	< 72.5% and ≥ 69.5%
B+	< 89.5% and ≥ 86.5%	D+	< 69.5% and ≥ 66.5%
B	< 86.5% and ≥ 82.5%	D	< 66.5% and ≥ 62.5%
B-	< 82.5% and ≥ 79.5%	D-	< 62.5% and ≥ 59.5%
C+	< 79.5% and ≥ 76.5%	F	< 59.5%

Topic Outline

- I. HTML & CSS
 - A. Page structure
 - B. Semantic markup
 - C. Browser compatibility
- II. Web development tools
 - A. Text editors and extensions
 - B. Browser tools
 - C. Version control
- III. Web development processes and topics
 - A. Design process
 - B. Atomic Design
 - C. Pattern Libraries
 - D. Responsive Design

This syllabi update reflects grading scale policy updates effective 4/1/2024.