



CS 216 Fundamentals of Web Development

Winter 2024

Course Credits: 4

Contact Hours: 56 hours

Instructor: TBA

Email: TBA

COURSE OBJECTIVES

The Fundamentals of Web Development course introduces students to the essential concepts, technologies, and tools involved in building and maintaining modern websites. Through a combination of lectures, hands-on exercises, and projects, students will gain a solid foundation in web development principles, front-end and back-end technologies, and best practices. The course aims to equip students with the necessary skills to create dynamic and responsive websites.

Upon Completion of this Course, students will be able to:

1. Structure a website using HTML and create custom layouts/designs with CSS;
2. Use JavaScript and jQuery to make their web applications interactive and fun to use;
3. Demonstrate basic proficiency in using current, valid, and semantic Hypertext Markup Language (HTML) syntax to define the structure and content of a webpage;
4. Demonstrate basic proficiency in using current valid Cascading Style Sheets (CSS) to style an HTML document.

PREREQUISITES

None

GRADING

Grades will be determined by accumulating points, with 100 points being the maximum, as follows:

ITEM	POINTS
2 Assignments	20 Points



2 Quizzes	20 Points
Midterm Test	15 Points
Final Project	20 Points
Final Exam	25 Points
Total	100 Points

Late submissions will be graded at the end of the course. Grades will be assigned according to the following rule:

$A \geq 90 > B \geq 80 > C \geq 70 > D \geq 60 > F$.

We reserve the right to make adjustments to the overall grading policy.

COURSE MATERIALS

Required Texts:

Terry Felke-Morris, *Web Development and Design Foundations with HTML5* (9th Edition), Pearson, 2021.

Recommended (Optional) Texts or Other Materials:

None

COURSE TOPICS

MODULE	TASKS
Module 1	Topics: Topic 1: Introduction to HTML Syntax Topic 2: Anchor Tags and Hrefs Topic 3: Linking to Pages Within a Website Topic 4: The Image Tag and Source Attribute Assessments: Assignment #1
Module 2	Topics: Topic 5: Intro to Cascading Style Sheets (CSS) Topic 6: The Div Tag & Basic Page Formatting Topic 7: Using Browser Developer Tools Topic 8: HTML5 Semantic Elements Assessments: Quiz #1



Module 3	Topics: Topic 9: Introduction to JavaScript Topic 10: Basic Program Structure Topic 11: Function Fundamentals Topic 12: Object Data Structure Assessments: Assignment #2 Midterm Test
Module 4	Topics: Topic 13: Document Object Model Topic 14: DOM Manipulation Topic 15: JavaScript Libraries (jQuery and Underscore) Topic 16: Persistent Data Storage With Back-end Servers Assessments: Quiz #2
Module 5	Topics: Topic 17: Revolution Travel: Real World Layout Topic 18: Styling the Navigation Topic 19: HTML and CSS Wireframe Topic 20: Uploading to a Live Website via FTP Assessments: Final Project Final Exam

ATTENDANCE

1) Class attendance is required. Missing classes without permission will lead to decrease in overall grade.

Missing less than two classes: no penalty.

Missing more than two classes: 7% will be taken off from the overall grade.

If the instructor reports a student's frequent missing of class to the Soochow University Academic Administration Office, the student might get a written warning and might be prohibited from attending final exam.

2) Participants in this course are expected to arrive in class promptly and adequately prepared. The primary objective of this course is to critically engage with the readings and the subject matter. Therefore, course participants are expected to have completed the reading prior to class and prepare thoughtful reflections/commentaries to share with fellow colleagues.



LEARNING REQUIREMENTS

- 1) Late assignments are not acceptable and are subjected to grade deductions.
- 2) Assignments submitted in the wrong format will be counted as not submitted.
- 3) Failure to submit or fulfill any required course component results in failure of the class.
- 4) Make-up for midterm and final exams only with valid excuses, as defined by the University.
- 5) In order to earn a Certificate of Completion, participants must thoughtfully complete all assignments by stated deadlines and earn an average quiz score of 50% or greater.

TECHNOLOGY POLICY

The use of electronic devices in class is distracting, both for the user and for the rest of the class. Only non-programmable calculators can be used in the tests and exam. Any attempts to use cell phones and other electronic communication devices will be seemed as cheating. Laptops are discouraged, unless you use them for activities DIRECTLY related to the course (eg., note taking, reading course documents).

ACADEMIC INTEGRITY POLICY

Soochow University highly values the academic integrity and aims to promote the academic fairness, honesty and responsibility. Any academic dishonesty behaviors and any attempts to cheats and plagiarism will be reported to the university administration office. A written warning and the relevant penalties will be imposed. The record might be shown on the official university transcript.

DISABILITY ACCOMMODATION

Soochow University is committed to maintaining a barrier-free environment so that students with disabilities can fully access programs, courses, services, and activities at Soochow University. Students with disabilities who require accommodations for access to and/or participation in this course are welcome.

Note:



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Please contact the University Administrative Office immediately if you have a learning disability, a medical issue, or any other type of problem that prevents professors from seeing you have learned the course material.