

WEB 210 Web Development Fundamentals

COURSE DESCRIPTION:

Prerequisites: None

Corequisites: None

This course introduces World Wide Web Consortium (W3C) standard markup language. Topics include creating web pages, responsive design, file transfer, deployment, accessibility, and other related W3C topics. Upon completion, students should be able to deploy a hand-coded website created using the HyperText Markup Language (HTML) and Cascading Style Sheet (CSS) standards.

Course Hours per Week: Class, 2. Lab, 3. Semester Hours Credit, 3.

LEARNING OUTCOMES:

Upon completing requirements for this course, the student will be able to:

1. Create web pages using HTML5 and CSS following industry standard web design techniques.
2. Design web sites to meet strategic goals.
3. Create accessible and responsive web sites.

OUTLINE OF INSTRUCTION:

- I. Review of HTML and CSS Basics
- II. Thinking Inside the Box
- III. Floating and Positioning
- IV. Layout with Flexbox
- V. Layout with CSSGRID
- VI. Responsive Web Design
- VII. Transitions, Transforms and Animation
- VIII. More CSS Techniques

REQUIRED TEXTBOOK AND MATERIAL:

The textbook and other instructional material will be determined by the instructor.