Overview

This course prepares students for the CIW Advanced HTML5 and CSS3 Specialist certification exam.

This course builds upon a student's manual coding skills by teaching how to develop web documents and pages using the Web Development Trifecta: HTML5 (Hypertext Markup Language version 5) and CSS3 (Cascading Style Sheets version 3) and JavaScript. Students will utilize the skills learned in this course to create web documents and pages that easily adapt to display on both traditional and mobile devices. In addition, students will learn techniques for code validation and testing, form creation, inline form field validation, and mobile design for browsers and apps, including Responsive Web Design (RWD).

Competencies

- **HTML5 Essentials**
  The graduate assembles web pages by using, creating, and validating HTML5 code.

- **Cascading Style Sheets (CSS3) Techniques**
  The graduate develops web documents using CSS3 to position and format content, to enhance accessibility, and to create effects such as transformations, transitions, and animations.

- **JavaScript as Part of the Web Development Trifecta**
  The graduate uses JavaScript to enhance web development and design.

- **HTML5 APIs**
  The graduate improves the functionality of web pages using HTML5 APIs to add features such as geolocation, drag-and-drop, canvas, and offline web applications.

- **Form Development and Validation**
  The graduate validates user input forms using both HTML5 and JavaScript techniques.

- **Mobile Device Compatibility Design**
  The graduate develops web pages tested for compatibility between traditional and mobile devices.

Learning

**Getting Started**

This course prepares you to take the Advanced HTML5 & CSS3 Specialist CIW exam. The exam has 55 questions, requires a minimum score of 72.73% to pass, and has a 75 minute time limit.
your knowledge as your progress through the content.

This course assumes existing knowledge of basic HTML coding. Web Development Fundamentals is the prerequisite for this course.

Cohort Sign-up

Cohorts provide additional structure and support for challenging aspects of this course. In a cohort you receive specific homework assignments and meet online with mentors and students regularly to discuss the challenging topics.

Failed to retrieve assessments

Course Information

The Writing Center
WGU Library
Accessibility Policy
Student Success Centers

COURSE INSTRUCTOR

Course Instructor Group

cmweb@wgu.edu

Course Instructor Responsibility

How to Work with Course Instructors

ANNOUNCEMENTS