

# Mastering HTML, XHTML and CSS

Course Length: 5 days

Price: \$2,500

## Summary

This course teaches attendees the hands-on, real-world skills they need to successfully build Web sites using HTML (Hypertext Markup Language), XHTML (Extensible Hypertext Markup Language) and CSS (Cascading Style Sheets).

## Who Should Attend?

Students should have fundamental computer skills using Microsoft Windows and navigating Web sites. No prior programming experience is assumed.

## Course Outline

### Introduction to Web Development

- How Web Applications Work
- Introduction to HTML, XHTML and CSS
- Tools for Web Development

### Edit, Test and Validate a Web Page

- HTML Syntax
- CSS Syntax
- Using Notepad++ with HTML and CSS
- Testing and Debugging Web Pages
- Validating HTML and CSS

### Using HTML to Structure a Web Page

- Starting an HTML Document
- Coding the HEAD Section
- Coding Text Elements
- Coding Links, Lists and Images

## Using CSS to Format the Elements of a Web Page

- Basic CSS Skills
- Coding Selectors
- Working with Text and Links
- Using External Style Sheets

## Using the CSS Box Model for Spacing, Borders, and Backgrounds

- Introduction to the Box Model
- Sizing and Spacing Elements
- Setting Borders and Backgrounds

## CSS Page Layout

- How to Float Elements
- Multi-Column Layouts using Floating
- Positioning Elements

## Links and Lists

- Coding Links
- Coding Lists
- Formatting Lists

## Images

- Basic Image Skills
- Using Image Editors

## Tables

- Structure
- Layout

## Forms

- Working with Buttons, Labels, Text Fields, Radio Buttons, Check Boxes
- Working with Drop-down Lists and List Boxes
- Grouping Controls
- Alignment and Formatting of Controls
- Tab Order and Access Keys
- Adding Search to a Web Site

#### Working with Audio, Video and Other Media

- Types and Formats
- Media Players
- Linking to Media Files
- Embedding Media Players and Files
- Working with Flash, Windows Media Player, RealPlayer and QuickTime

#### Working with Print Media and Mobile Devices

- Defining Stylesheets for Different Media Types
- Working with Print Media
- Working with Mobile Devices

#### Enhancing a Web Page with JavaScript

- Introduction to JavaScript and DOM Scripting
- Standalone JavaScript Applications
- Using JavaScript in Your Web Pages

#### Web Site Design

- Usability and Accessibility
- Design Guidelines



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- Design Methods and Procedures

#### Deploying a Web Site

- Getting a Web Host and Domain Name
- Transferring Files To and From the Web
- Other Deployment Skills

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