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FUNDAMENTALS OF WEB DEVELOPMENT

Course Code: 1362

In this course, you will learn the basics of building a website from scratch using HyperText Markup Language (HTML) and Cascading Style Sheets (CSS). You will learn about best practices, how to lay a webpage out, as well as styles, background images, CSS-based navigation, multi-column layouts, forms, and uploading files to a server via FTP.

Who Needs to Attend

Anyone who will need to build or manage a website in the near future

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CLASSROOM LIVE	$2,464 CAD	3 Day

Classroom Live Outline

1. Coding Basics: Introduction to HTML Syntax
    - Headings, Paragraphs, and Body Tags
    - Strong and EM Tags
    - The Doctype Declaration (DTD)
    - The Lang Attribute
    - Meta Tag: The Unicode Character Set
2. Coding Links
    - Linking to Pages Within a Website
    - Linking to Other Websites
    - Opening a Link in a New Browser Window
3. Adding Images
    - The Image Tag and Source Attribute
    - Using the Width, Height and Alt Attributes
    - Using Horizontal Rule
    - The Break Tag
4. Intro to Cascading Style Sheets (CSS)
    - The Style Tag
    - Tag Selectors
    - Class Selectors
    - The Class Attribute
5. The Div Tag and Basic Page Formatting
    - Understanding Divisions
    - Setting a Div Width
    - Adding Padding Inside a Div
    - CSS Background-Color
    - CSS Borders
    - CSS Shorthand and the DRY principle

- Content Structure with Multiple Divs
- Assigning IDs to Divs
- Adding Images
- Organizing Content Into Divs
- Tagging Headings

6. The Box Model and Background-Images
    - Using ID Selectors
    - The Background-Image Property
    - The Box Model
    - Padding and Margin Spacing
    - Setting Div Width
    - Setting Page Defaults for Font Styles
7. Floats and Images
    - Adding Images
    - Adding an Image Title
    - Floating Images
    - Class Selectors
    - Margins
8. Links
    - Anchor Tags and Relative URLs
    - External Links (Using Target Attributes)
    - Spambot Resistant Email Links
    - Linking Within a Page (Named Anchors)
9. Styles for Links and Navigation
    - Styling the Anchor Tag
    - Pseudo-Classes
    - Creating CSS Navigation Styles
    - Using Descendent (Nested) Selectors
    - Managing White-Space and Wrapping Issues
10. Shared CSS and Centering Content
    - Moving Embedded Styles into an External CSS File
    - Sharing Styles Across a Site
    - Text-Align
    - Center Divs
    - Fixing "Page Shift" with Overflow-y
    - Planning a Two-Column Layout
11. Two-Column Layout: Floats and Clearing
    - Linking to an External Style Sheet
    - Using Floats to Position Divs
    - Using a Content Wrapper Div
    - Clearing Floated Elements
12. More Box Model: Margins and Padding

- Margins vs. Padding
- CSS Shorthand: TRBL

13. More Practice with CSS
    - Styling Anchor Tags
    - Styling the Hover Pseudo-Class
    - Using Descendent Selectors
    - More CSS Borders
    - Managing White-Space and Wrapping Issues
    - Fixing Spacing Around Images
    - Moving Borders with Padding
14. Fine-Tuning Lists, Paragraphs, and the Footer
    - More Descendent (Nested) Selectors
    - Styling Lists
    - Organizing Styles
15. Using Browser Developer Tools
    - Opening the DevTools in Chrome
    - Editing HTML in the DevTools Elements Tab
    - Enabling, Disabling and Editing CSS in the DevTools
    - Using DevTools to Fine-Tune Your CSS
16. FTP Uploading to a Live Website
    - What is FTP
    - Using an FTP Client
    - Going Live
17. Creating a Form
    - The Form Tag
    - The Input and Label Elements
    - Name and ID Attributes
    - Fieldset and Legend Elements
    - Select, Option * Optgroup
    - Input Types: Text, Checkbox, Radio, and Submit
18. Submitting Form Data to a Server-Side Script
    - A Simple PHP Script
    - Setting the Form Action
    - Uploading and Testing the Form

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Date created: 4/30/2026 8:12:43 AM
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