

## WEB DESIGN: CSS, HTML, XHTML & JAVASCRIPT

Available Dates: **Feb 18-20, Apr 23-25, Jun 19-21**

Class Length: **3 day**

Cost: **\$1,295**

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### **Class Outline:**

Course Outline:

Lesson 1: Structuring Documents for the Web

Topic A: A Web of Structured Documents

Topic B: Introducing HTML and XHTML

Topic C: Basic Text Formatting

Topic D: Presentational Elements

Topic E: Phrase Elements

Topic F: Lists

Topic G: Editing Text

Topic H: Using Character Entities for Special Characters

Topic I: Comments

Topic J: The < font > Element (Deprecated)

Topic K: Understanding Block and Inline Elements

Topic L: Grouping Elements with < div > and < span >

Topic M: Core Elements and Attributes

Topic N: Attribute Groups

Lesson 2: Links and Navigation

Topic A: Basic Links

Topic B: Understanding Directories and Directory Structures

Topic C: Understanding URLs

Topic D: Creating Links with the < a > Element

Topic E: Advanced E - mail Links

Lesson 3: Images, Audio, and Video

Topic A: Adding Images Using the < img > Element

Topic B: Using Images as Links

Topic C: Image Maps

Topic D: Choosing the Right Image Format

Topic E: Adding Flash, Video, and Audio to Your Web Pages

Lesson 4: Tables

Topic A: Introducing Tables

Topic B: Basic Table Elements and Attributes

Topic C: Adding a < caption > to a Table

Topic D: Grouping Sections of a Table

Topic E: Nested Tables

Topic F: Accessible Tables

Lesson 5: Forms

Topic A: Introducing Forms

Topic B: Creating a Form with the < form > Element

Topic C: Form Controls

Topic D: Creating Labels for Controls and the < label > Element

Topic E: Structuring Your Forms with < fieldset > and < legend > Elements

Topic F: Focus

Topic G: Disabled and Read - Only Controls

Topic H: Sending Form Data to the Server

Lesson 6: Frames

Topic A: Introducing the Frameset

Topic B: When To Use Frames

Topic C: The < frameset > Element

- Topic D: The < frame > Element
- Topic E: The < noframes > Element
- Topic F: Creating Links Between Frames
- Topic G: Setting a Default Target Frame Using the < base > Element
- Topic H: Nested Framesets
- Topic I: Inline or Floating Frames with < iframe >

#### Lesson 7: Cascading Style Sheets

- Topic A: Introducing CSS
- Topic B: Where You Can Add CSS Rules
- Topic C: CSS Properties
- Topic D: Controlling Text
- Topic E: Text Formatting
- Topic F: Text Pseudo - Classes
- Topic G: Selectors
- Topic H: Lengths
- Topic I: Introducing the Box Model

#### Lesson 8: More Cascading Style Sheets

- Topic A: Links
- Topic B: Backgrounds
- Topic C: Lists
- Topic D: Tables
- Topic E: Outlines
- Topic F: The :focus and :active Pseudo - Classes
- Topic G: Generated Content
- Topic H: Miscellaneous Properties
- Topic I: Additional Rules
- Topic J: Positioning and Layout with CSS

#### Lesson 9: Page Layout

- Topic A: Understanding the Site ' s Audience
- Topic B: Page Size (and Screen Resolution)
- Topic C: Designing Pages
- Topic D: Coding Your Design
- Topic E: Developing for Mobile Devices

#### Lesson 10: Design Issues

- Topic A: Typography
- Topic B: Navigation
- Topic C: Tables
- Topic D: Forms

#### Lesson 11: Learning JavaScript

- Topic A: What Is Programming About?
- Topic B: How to Add a Script to Your Pages
- Topic C: The Document Object Model
- Topic D: Starting to Program with JavaScript
- Topic E: Variables
- Topic F: Operators
- Topic G: Functions
- Topic H: Conditional Statements
- Topic I: Looping
- Topic J: Events
- Topic K: Built - in Objects
- Topic L: Writing JavaScript

#### Lesson 12: Working with JavaScript

- Topic A: Practical Tips for Writing Scripts
- Topic B: Form Validation

Topic C: Form Enhancements  
Topic D: JavaScript Libraries

Lesson 13: Putting Your Site on the Web

Topic A: Meta Tags  
Topic B: Testing Your Site  
Topic C: Taking the Leap to Live  
Topic D: Telling the World about Your Site  
Topic E: Understanding Your Visitors  
Topic F: What Next?

Lesson 14: Checklists

Topic A: Search Engine Optimization Checklist  
Topic B: Accessibility Checklist  
Topic C: Differences Between HTML and XHTML  
Topic D: HTML 5