

# HTML5 AND CSS3

## 2020

### Course Outline:

#### **Module 1: Course Orientation, Internet & Web**

1. Instructor Intro
2. Course Intro
3. Internet and the Web

#### **Module 2: HTML Basics**

1. HTML Overview and Your First Webpage
2. Create a Template
3. Heading Element
4. Paragraph Element
5. Line Break Element
6. Blockquote Element
7. Phrase Elements
8. Ordered List and Unordered Lists
9. Description List
10. Special Characters
11. Structural Elements
12. Anchor Elements
13. HTML Validation

### **Module 3: Color & Text, CSS**

1. Overview of Cascading Style Sheets
2. Using Color on Web Pages
3. Inline CSS with the Style Attribute
4. Embedded CSS with the Style Attribute
5. Configuring Text with CSS
6. CSS Class, ID, and Descendant Selectors
7. Span Element
8. Using External Style Sheets
9. Center HTML Elements with CSS
10. The Cascade
11. CSS Validation

### **Module 4: Visual Elements & Graphics**

1. Visual Elements and Graphics
2. Types of Graphics
3. Image Element
4. Image Hyperlinks
5. HTML5 Visual Elements
6. HTML5 Visual Elements Continued
7. Meter and Progress Element
8. Background Images
9. More About Images
10. Sources and Guidelines for Graphics
11. CSS3 Visual Effects Pt 1
12. CSS3 Visual Effects Pt 2

### **Module 5: Web Design**

1. Web Design

## **Module 6: Page Layout**

1. Page Layout Pt 1
2. Page Layout Pt 2
3. Hyperlinks in an Unordered List
4. Practice with CSS Two-column Layout
5. Header and Text Image Replacement
6. Practice with an Image Gallery
7. Positioning with CSS
8. CSS Debugging Techniques
9. More HTML5 Structured Elements

## **Module 7: Links, Layout, & Mobile**

1. Links, Layout, and Mobile
2. Fragment Identifiers
3. The Target Attribute
4. CSS Sprites
5. Three-column CSS Page Layout Pt 1
6. Three-column CSS Page Layout Pt 2
7. Three-column CSS Page Layout Pt 3
8. Three-column CSS Page Layout Pt 4
9. Three-column CSS Page Layout Pt 5
10. Three-column CSS Page Layout Pt 6
11. CSS Styling for Print
12. Designing for the Mobile Web
13. Viewport Meta Tag & CSS Media Queries
14. Responsive Images
15. Testing Mobile Display
16. Flexible Box Layout
17. CSS Grid Layout

## **Module 8: Tables**

1. Tables Pt 1
2. Tables Pt 2

## **Module 9: Forms**

1. Overview of Forms
2. Input Element Form Controls Pt 1
3. Input Element Form Controls Pt 2
4. HTML5 Form Controls

## **Module 10: Web Development**

1. Web Development Pt 1
2. Web Development Pt 2

## **Module 11: Web Multimedia and Interactivity**

1. Web Multimedia and Interactivity
2. Getting Started with Audio and Video
3. HTML5 Audio and Video Elements
4. CSS3 and Interactivity Pt 1
5. CSS3 and interactivity Pt 2
6. CSS3 Transform Property and Transition Property Pt 1
7. CSS3 Transform Property and Transition Property Pt 2
8. CSS3 Transform Property and Transition Property Pt 3
9. HTML5 Details and Summary Elements
10. Java, JavaScript, Ajax, jQuery Programming Languages
11. HTML5 APIs

## **Module 12: JavaScript and jQuery**

1. JavaScript and jQuery
2. Debugging
3. Document Object Model
4. Events and Event Handlers
5. Variables
6. Programming Concepts
7. jQuery
8. jQuery Selectors and jQuery Methods
9. jQuery Image Gallery Pt 1
10. jQuery Image Gallery Pt 2
11. jQuery Plugins Pt 1
12. jQuery Plugins Pt 2

## **Module 13: Course Summary**

1. Course Summary