

Technical Training Solutions



ADVANCED HTML, XHTML, & CSS (3 Day Course)

Technical
Course
Outline

Course Summary

This course continues where Introduction to HTML, XHTML, & CSS leaves off. Students will continue to learn elements of good web page/site design. In this class, students will focus heavily on web page layout to design effective interfaces for end-users to interact with. Heavy focus is placed on XHTML table design as well as frames and forms. Cascading Style Sheets are further explored to develop richer page content and interactivity. The class also begins to expose students to what lies beyond HTML, XHTML, & Cascading Style Sheets: client-side web page programming using JavaScript.

It is recommended that students take "Introduction to JavaScript" course after this one to gain further knowledge of client-side scripting inside Web pages.

Intended Audience:

This class is intended for **web page authors** who understand the importance of a web document's semantic structure and wish to further their knowledge of XHTML and CSS using industry standards and best-practices.

Prerequisites:

To ensure an effective learning environment **for all attendees**, it is imperative that **each student** meet minimum course prerequisites.

- Successful completion of "**Introduction to HTML, XHTML, & CSS**" or 90% proficiency with the topics covered therein.
*Please refer to that outline to make sure you meet this requirement.
- **OR**
- At least 6 months of practical **business experience** using XHTML & CSS.

Course Contents:

XHTML Warm Up / Core XHTML Review

- Creating "template.htm"
- Configuring Extended List types
 - Alphabetic & Roman Numeral
- HTML & XML Entities
- Using CSS For Consistent Page Look & Feel

Advanced Table Design

- Table & Cell Sizing
 - The "Rubber Band" Effect
 - Pixels, Percent, Or No Size
 - Best Practices For Proper Table Rendering
- **colspan** & **rowspan** For Cell Merging
- Horizontal & Vertical Cell Content Alignment
- **cellpadding** & **cellspacing** Attributes
- Determining Usable Table Size vs. Total Table Size
- Table "Gotcha's"

<meta> Tags

- Uses For The <meta> Tag
- Understanding Search Engines & <meta>
- Automatic Refreshing & Forwarding
- User Defined <meta> Tag Usage

Framesets & Frames

- Why Frames Are Still Relevant
- How Frames Differ From Tables
- Creating Frames
 - <frameset> & <frame> Tags
 - Frameset & Frame Attributes
- Targeting Frames
- Nested Framesets
- Frame Best Practices
- Inline Frames

Image Maps

- What Is An Image Map?
 - The <map> Tag
 - Creating "Hot Spots" With The <area> Tag
 - Determining Shapes & Coordinates
 - Linking Hot Spots
 - Targeting Hot Spot Links

Forms

- Understanding XHTML Forms & Form Elements
- The <form> Tag
 - The **action** & **method** Attributes
- Form Elements
 - Buttons, Textboxes, Checkboxes, RadioButtons, Scrolling & Drop Down Listboxes, Text Areas, Hidden Form Fields, Submit & Reset Buttons
 - Form Element Attributes

Cascading Style Sheets

- CSS 3.0 Selectors
- Advanced Style Configurations
 - Visibility
 - Layering
 - Positioning
- Working With Multiple External Style Sheets

Client-Side Scripting with JavaScript (Primer Only)

- What Is A Script
- Scripting Languages
- The <script> Tag
- Creating User Defined Functions
- Events & Event Handlers
- Inline Scripting vs. Script Blocks

Introduction To Dynamic HTML (DHTML)

- What is DHTML?
- Combining XHTML, CSS, & JavaScript
- Mouse & Click Events