

Technical Training Solutions



INTRODUCTION TO HTML, XHTML, & CSS (3 Day Course)

Technical
Course
Outline

Course Summary

This course introduces students to web page design & development using the HTML language. In addition to learning the fundamental syntax, terminology and structure of the HTML language, the course covers, in detail, best practices and standards for web page/site construction.

As HTML has evolved over the years, it is now essential that web page developers know and understand how XML is now used in conjunction with HTML to form XHTML as well as how the Cascading Style Sheet (CSS) language is used to augment and enhance what is possible in a web page. This course introduces these concepts and shows how to integrate XHTML and CSS into your web page design.

Intended Audience:

This class is intended for **entry-level web page authors** who wish to begin to develop their own HTML web pages. Those wishing to learn other web technologies such as JavaScript, ASP .NET, XML, etc. will find this class essential as a foundation to build upon.

Prerequisites:

While no HTML/Internet experience is required, **basic word processing and Windows skills (i.e. switching between open windows, file copying, renaming, & moving)** are crucial to keep the class moving along at a reasonable pace for all class attendees.

Course Contents:

Web Development

- Overview of the Internet & World Wide Web
- The W3C (WWW Consortium)
- Web Pages vs. Web Servers vs. Web Sites
- Planning A Website

Browsers, Editors And The WWW

- Brief History of HTML
- Browser Types & Compatibility
- HTML Editor Applications

Web Site Organization/Development

- File Structure & Organization
- File Naming & Referencing Standards
- Ensuring Consistent Results
 - 'Vanilla' HTML vs. Proprietary HTML Extensions
 - Tag Deprecation & Obselecense

Web Page Design & Development Best Practices

- Things Every Web Page Should Have Set For Consistent Viewing
- 5 Words To Never Say!
- Resolving Monitor Resolution
- Pixels vs. Percent As A Unit Of Measure
- Safe Colors & Hexadecimal Codes

HTML Basics

- HTML Syntax Rules & Best Practices
- The HTML Page "Shell"
- The HEAD Section vs. The BODY Section
- Comments & White Space
- The Importance Of Understanding Block vs. Inline Tags
- Viewing in Browser

Basic Tags

- Formatting With Tags
 - Paragraphs & Heading Styles
 - Line Breaks vs. Paragraph Breaks
 - DIV's & SPAN's
 - Fonts, Alignment, & Colors
 - Horizontal Rules, & Indentation

Using Lists and Attributes

- Using Lists for Structure
 - Bulleting
 - Numbering

Tag Attributes

- Attribute vs. Tags
- Tag Specific Attributes & Common Attributes

XHTML

- HTML vs. XML
 - Syntax Differences
 - Usage Implementations
- Writing HTML As XML (XHTML)
 - Why?
- The DOCTYPE Declaration & The W3C XHTML 1.0 Specification
- Validating XHTML

Hyperlinks

- Relative vs. Absolute File Paths
- Creating Text & Image Based Hyperlinks
 - Internal , External, Email & Targeted Links
- Specifying A Target Window
- Linking To Non HTML content

HTML & XML Entities

- What Are HTML & XML Entities?
- How Are They Used?
- What Entities Are Available?

Images

- Understanding Image File Types
 - GIF vs. JPG
- Inserting Images
 - Foreground & Background
 - Image Attributes
 - Height, Width & Alternate Text
 - Borders & Alignment

Fundamentals Of Table Design

- Understanding How Tables Work In A Browser
- Using Tables for Layout vs. for Data
- Table, Row & Cell Tags

Cascading Style Sheets (CSS)

- Understanding Style Sheets
- Pro's & Con's of Using CSS
- Creating Style Sheet Rules
 - Defining Selectors
 - Tag Based
 - Classes
 - ID Based
- Inline, Embedded, & Linked Styles
- Elements Of Style Sheets
 - Font & Text Properties
 - Spacing & Border Properties