



Enhanced Network Solutions Group

Systems Integration • Learning Solutions • CIO Consulting
Managed Outsourcing • Healthcare Solutions • Security Solutions

7224 Engle Road - Fort Wayne, IN 46804 - Phone: (260) 432-1364 - Fax: (260) 432.3168

Web Design Workshop Using HTML, XHTML & CSS (Levels 1-3)

WD-WS-HXC-EK Rev 07.09

3 days

Description

This three-day course is designed for students with basic knowledge and experience in personal computing and the World Wide Web. It provides a solid foundation for students who want a greater understanding of the HTML code generated behind the scenes when creating Web pages using a WYSIWIG editor such as Dreamweaver or Expression Web.

On Day 1, students will examine the basics of foundational web technology and create functional web pages using markup languages such as Hypertext Markup Language (HTML), Extensible Hypertext Markup Language (XHTML), and Cascading Style Sheets (CSS). On Day 2, students will create advanced web page layouts and navigation, incorporate meta-content and multimedia, and test the validity of a web page. On Day 3, students will apply web design best practices, create forms and apply advanced CSS styles, perform search engine optimization, make a website accessible to all users, and publish a website.

Prerequisites

- *Windows XP: Basic or Windows Vista: Basic*
- *Previous experience with Internet Explorer or another web browser is recommended*

Course Outline

Day 1: Level 1

Lesson 1: Creating a Basic Web Page

Topic 1A: Introduction to Web Design and Development

Topic 1B: Create a Basic Page Structure

Lesson 2: Structuring Content

Topic 2A: Create Headings and Horizontal Rules

Topic 2B: Control Text Flow

Topic 2C: Create Lists

Lesson 3: Applying Styles Using CSS

Topic 3A: Format Text

Topic 3B: Format Lists

Topic 3C: Format Images

Topic 3D: Modify Page Background

Lesson 4: Working with Tables

Topic 4A: Create a Table

Topic 4B: Modify the Table Structure

Topic 4C: Format the Table

Lesson 5: Linking Web Pages

Topic 5A: Create Hypertext Links

Topic 5B: Create Image Links

Topic 5C: Create Email Links

Topic 5D: Format Links

Appendix A: XHTML Character Entities

Appendix B: CSS Properties and Values



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Day 2: Level 2

Lesson 1: Creating Web Page Layouts

Topic 1A: Group Content

Topic 1B: Create Box Layouts

Lesson 2: Managing CSS

Topic 2A: Apply Advanced CSS Selectors

Topic 2B: Create an External CSS

Topic 2C: Apply a CSS to Multiple Pages

Topic 2D: Apply Browser-Specific CSS

Topic 2E: Provide Alternate CSS

Lesson 3: Testing a Website

Topic 3A: Test Markup

Topic 3B: Test CSS

Lesson 4: Creating Advanced Navigation

Topic 4A: Create CSS-Based Menus

Topic 4B: Incorporate Images in CSS-Based Menus

Topic 4C: Create Image Maps

Lesson 5: Incorporating Meta-Content and Multimedia

Topic 5A: Refresh and Redirect Pages

Topic 5B: Link Media

Topic 5C: Embed Media

Day 3: Level 3

Lesson 1: Creating Forms

Topic 1A: Create a Form with Basic Form Elements

Topic 1B: Add Advanced Form Elements

Topic 1C: Enhance a Form's Appearance Using CSS

Topic 1D: Form Submission

Lesson 2: Creating Advanced Styles and Page Layouts

Topic 2A: Create Complex Page Layouts

Topic 2B: Create a Box Layout with Rounded Corners Using CSS

Topic 2C: Create Advanced Styles Using CSS

Lesson 3: Optimizing a Website for Accessibility

Topic 3A: Create a Breadcrumb

Topic 3B: Construct a Website with Accessibility Features

Topic 3C: Optimize a Website for Display on a Mobile Device

Lesson 4: Optimizing a Website for Search Engines

Topic 4A: Make a Website Search Engine Friendly

Topic 4B: Create a Site Map

Lesson 5: Publishing a Website

Topic 5A: Make a Website Printer Friendly Using CSS

Topic 5B: MIME Type Identification

Topic 5C: Test a Site on a Local Server

Topic 5D: Publish a Site on a Remote Server



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