

Design Methodology Vol 1(Dreamweaver, CSS, Fireworks) 42

CSS

Introduction

- welcome
- what is CSS?
- what's needed
- Basics
- web sites that use CSS
- breakdown of a CSS rule
- writing your first rule

the document tree

- CSS in HTML documents
- Incorporating CSS into HTML
- class selectors
- ID selectors
- descendent selectors
- grouping selectors
- types of elements
- the DIV tag
- the SPAN tag
- Color
- the old HTML way
- color in CSS
- background colors
- Layout
- explaining the box model
- border properties

margins

- padding
- element positioning
- floats
- the clear property
- layered presentation
- overflow
- visibility
- Background
- background images
- background repetition
- background attachment

background position

- the background shorthand property

Typography

- font families
- font styles
- font weight
- font size
- text line height
- font variants
- the font shorthand property
- indenting text
- aligning text
- text decoration
- transforming text
- Links

- link basics
- more on links
- rollovers
- Dealing with Bad Browsers
- how to hide CSS from NN4.x
- the broken MSIE5 box model
- windows flicker with @import
- Accessibility
- CSS and different media
- CSS for print
- Troubleshooting
- troubleshooting
- Bonus
- the making of the Learning CSS slides

Prerequisites:

Students must have completed **Internet Business Foundations** or have equivalent Internet knowledge.

Course Objective:

Site Development is a course that teaches students how to create and manage Web sites with tools such as Microsoft Web Expression and Adobe Dreamweaver CS4. Students will also implement the latest strategies to develop third-generation Web sites, evaluate design tools, discuss future technology standards. The course focuses on design and Web construction, along with information architecture concepts, Web project management, scenario development and performance evaluations.

Course Outline:

Adobe Dreamweaver CS4

DESIGNING WEBSITES WITH DREAMWEAVER CS4

- Comparing Web Design Options
- Appreciating CSS Advantages
- Reviewing Old School Designs
- Creating Dynamic Sites
- Reviewing Site Differences

CREATING A NEW WEBSITE

- Creating a New Site
- Creating a New Page
- Adding Images with Alternate Text
- Inserting & Formatting Text
- Aligning Images with the Property Inspector
- Using the Page Properties Dialog Box
- Linking to Pages in a Site
- Creating an Email Link
- Linking to Other Websites
- Testing & Targeting Links
- Organizing Files & Folders

CUSTOMIZING THE INTERFACE

- Introducing the Workspace
- Opening an Existing Site
- Working in Code, Design & Split Views
- Customizing the Insert Bar
- Use the Properties Inspector & the Tag Selector
- Reviewing Menu Options & Preferences
- Comparing the Macintosh® & PC Interfaces
- Previewing in Browsers & Device Central
- Lesson 4: CREATING & INSERTING IMAGES (22 min)
- Optimizing Images for the Web
- Saving GIFs & PNGs in Photoshop®

- Inserting GIFs in Dreamweaver
- Adjusting Transparency Settings
- Saving JPGs for the Web
- Edit Images in Dreamweaver & Photoshop
- Changing Editor Preferences

CREATING CSS LAYOUTS

- Getting Started with Styles
- Creating Tag & Class Styles
- Creating Styles to Format Images
- Reviewing CSS Code
- Previewing Page Styles
- Understanding Page Properties
- Creating Divs with ID Styles
- Adding Images & Lists to Divs
- Creating a Series of Divs
- Aligning Divs Side by Side
- Using the Clear Option in CSS
- Adding Borders with CSS
- Creating an Image Border
- Using Margins for Positioning
- Creating Navigation Links
- Styling a List for Navigation
- Creating a Rollover Effect in CSS
- Duplicating Existing Styles
- Changing Page Properties Styles
- Reviewing Style Selectors

DESIGNING WITH CSS

- Understanding the Box Model
- Comparing Margins & Padding
- Viewing CSS in Various Browsers
- Creating a Page from a Template
- Using Paste Special
- Using Styles to Align Images
- Creating a Two Column Layout
- Calculating CSS Spacing
- Styling Headlines
- Understanding Font Sizes
- Using External Style Sheets
- Viewing Styles
- Reviewing CSS Options

CREATING LAYOUTS WITH ABSOLUTE POSITIONING

- Explaining Absolute Positioning
- Comparing Absolute & Centered Positioning
- Warnings about Using AP Divs
- Using a Tracing Image
- Creating a Layout with AP Divs
- Naming AP Divs
- Nesting AP Divs
- Aligning AP Divs
- Inserting Images into Divs
- Calculating Page Layouts
- Refining an AP Layout
- Setting the Z-Index

DESIGNING ACCESSIBLE TABLES

- Understanding Tables & Accessibility
- Using Tables for Tabular Data
- Styling a Table
- Editing Table Layouts
- Adding Style to a Table Using CSS

CREATING WEBSITES WITH FRAMES

- Introducing Frames

- Creating a Frameset
- Opening Pages into Frames
- Controlling Scrollbars & Borders
- Targeting Links in Frames

USING BEHAVIORS TO ADD INTERACTIVITY

- Viewing Behaviors in a Browser
- Introducing the Behaviors Panel
- Inserting Rollover Images
- Using the Swap Image Behavior
- Altering Swap Image Options
- Using the Show-Hide Elements Behavior
- Using the Open Browser Behavior
- Downloading More Behaviors

SURVIVAL HTML & CSS

- Writing HTML: The Fundamentals
- Understanding Doctypes
- Recognizing HTML Tags
- Understanding Links
- Working in Split View

USING & CREATING TEMPLATES

- Using CSS Layouts
- Editing CSS Layouts
- Altering CSS Styles
- Creating a Dynamic Web Template
- Editing Dynamic Web Templates

CREATING WEB FORMS

- Creating & Inserting a Form
- Inserting Text Fields
- Adding Drop-Down Lists
- Inserting Radio Buttons
- Inserting Check Boxes & a Submit Button
- Connecting a Form to a Script

ADDING FLASH® TO YOUR PAGES

- Working with Flash
- Inserting Flash Video
- Creating Flash Buttons & Text
- Troubleshooting the Flash Options

TESTING & PUBLISHING A WEBSITE

- Using the Check Page Feature
- Testing & Fixing Links
- Running Site Reports
- Configuring FTP Settings
- Publishing a Site to a Server

DREAMWEAVER TIPS & TRICKS

- Registering a Domain Name
- Finding Fonts & Photos
- Learning More Online

Web Pages with Adobe Fireworks CS4

- What's new in Fireworks CS4
- Importing from Photoshop CS4
- Importing from Illustrator CS4
- The Common Library
- 9-Slice scaling
- Rich symbols
- Auto Shapes

The Interface

- The Windows workspace
- The Macintosh workspace
- Working with preferences
- Working with panels
- Making room on the screen
- Using the keyboard to select tools
- Getting help 5:10

Drawing

- Vectors and bitmaps
- Creating basic shapes
- Combining shapes
- Auto Shapes and their properties
- The Pen tool
- The Freeform tool
- Drawing lines
- Rulers, guides, and grids

Picking and Using Color

- The new Color Picker
- The Color Mixer panel
- Using the Eyedropper tool
- The Replace Color tool

Using Fills and Strokes

- Fill types
- Creating gradients
- Creating strokes
- Adding arrows
- Creating a picture frame

The Bitmap Painting Tools

- Making selections
- Using the Pencil and Brush tools
- Using the Eraser tool
- Using the Rubber Stamp tool
- Using the Blur tool
- Using the Sharpen tool
- Using the Dodge and Burn tool
- Using the Smudge tool

Using Text

- Using the Property Inspector to format text
- Checking spelling
- Importing text 2:11
- Inserting special characters
- Typing text on a path
- Converting text to paths
- Converting text to bitmaps

Image Editing and Color Correction

- Using the Image Editing panel
- Using the Property Inspector
- Using levels
- Using curves
- Adjusting hue and saturation
- Adjusting color in channels
- Using Unsharp Mask
- Removing red-eye
- Creating slideshows

Symbols

- Creating symbols

- Applying 9-slice scaling
- Reviewing the Common Library
- Creating a site flowchart
- Exporting symbols to Flash CS4
- Using the Flex widgets

Masking

- Creating and using vector masks
- Creating and using bitmap masks
- Using Hide and Reveal
- Using text as a mask
- Alpha masking

Special Effects

- Live effects vs. filters
- Using Photoshop Live Effects
- Incorporating Photoshop Layer Effects
- Using blends
- Using Photoshop Layer Blends
- Using the Assets panel
- Using styles

Aligning and Transforming Objects

- Aligning and distributing objects
- Transforming objects

Layer Essentials

- Introducing layers
- Managing layers
- Sharing layers
- Importing multi-layer Photoshop documents
- Using Master Pages

Optimization Techniques

- Understanding the Optimize Panel
- Understanding the Image Preview Window
- Using Selective JPEG Optimization
- Using the Optimize to Size Wizard

Exporting Documents

- Using the Export wizard
- Using the Image Preview menu
- Using the Export Area tool
- Using the History panel
- Creating commands with the History panel
- Using batch processing
- Exporting for Flex Builder
- Using the Quick Export functions

Slicing Essentials

- Image slicing
- Using the Polygon Slice tool
- HTML slicing
- Exporting a single slice

Creating Rollovers

- Creating simple rollovers
- Exporting rollovers
- Complex rollovers
- Creating image maps
- CSS pop-up menus

Animation

- Frame-by-frame animation
- Tweening
- Animating masks
- Animating symbols
- Exporting animations
- Importing animations

Integrating with Photoshop and Illustrator

- Quick Export
- Round-tripping with Illustrator
- Round-tripping with Photoshop

Integrating with Dreamweaver CS4

- Quick Export
- Round-tripping with Dreamweaver