IIPGH

www.iipgh.org

Introduction to Web Development

HTML, CSS and JavaScript

Instructors Outline

SESSION	TOPICS	COMENTS
1	Getting Familiar with HTML and Web Page Basics	
	Creating Your First HTML Page	
	Adding Text	
	Formatting Text	
2		
	Adding Images	
	Adding Links	
	Working with Tables	
	Introduction to Individual Students Project	
3	Creating Forms	
4	Creating Style Sheets	
5	Formatting Text with Style Sheets	
6	Controlling Layout with Style Sheets	
7/8	Working with JavaScript	
9	Adding Multimedia and Extra Touches	
10	Publishing Your Web Pages	
11/12	Project	

TOPICS
Getting Familiar with HTML and Web Page Basics
Internet Basics
An Introduction to HTML
Explore Web Browsers
Explore HTML Editors
Understanding HTML Syntax
View HTML Code in a Browser
Plan a Web Site
Creating Your First HTML Page
Understanding HTML Document
Structure
Start an HTML Document
Save an HTML Document
View an HTML Page
Add a Document Declaration
Add Metadata
Adding Text
Create a New Paragraph
Change Paragraph Alignment
Add a Line Break
Insert a Blank Space
Insert Preformatted Text
Insert a Heading
Add Block Quotes
Insert a Comment
Create a Numbered List
Create a Bulleted List
Create a Nested List
Create a Definition List
Insert Special Characters
Special Characters
Formatting Text
Make Text Bold
Italicize Text
Add Underlining to Text
Change Fonts
Change Font Size

Change the Text Color
Adjust Margins
Set a Background Page Color
Add a Horizontal Line

Understanding Web Page Images
Prepare Your Images for the Web
Insert an Image
Specify an Image Size
Add Alternative Text
Create an Image Label
Add Copyright Text to Images
Align an Image Horizontally
Align an Image Vertically
Center an Image
Wrap Text Between Images
Stop Text Wrap
Set an Image Border
Add Space Around an Image
Add a Background Image
Create an Image Banner

Understanding Links
Understanding URLs
Link to Another Page
Open a Linked Page in a New Window
Link to an Area on the Same Page
Link to Another File Type
Link to an E-mail Address
Change Link Colors

Understanding Table Structure
Add a Table
Assign a Table Border
Adjust Cell Padding and Spacing
Adjust Cell Width and Height
Add Column Labels
Create Newspaper-Style Columns

Create Side Navigation
Add a Table Caption
Control Which Borders to Display
Adjust the Table Size
Change Cell Alignment
Extend Cells across Columns and Rows
Create Column and Row Groups
Add a Background Color to Cells
Add a Background Color to a Table
Insert an Image in a Cell
Insert a Background Image
Change Table Alignment
Control Text Wrapping in Cells
Nest a Table within a Table

Introduction to Individual Students Project

Creating Forms

Understanding Forms
Types of Form Elements
Gather Form Data
Create a Form
Send Form Data to an E-mail Address
Add a Text Box
Add a Large Text Area
Add Check Boxes
Add Radio Buttons
Add a Menu List
Add a Submit Button
Add a Reset Button
Add Active Labels
Change the Tab Order
Add a File Upload Element
Group Form Elements

Creating Style Sheets

Understanding Style Sheets
Create an External Style Sheet
Link to a Style Sheet
Add Comments to a Style Sheet

Create an Internal Style Sheet
Create a Class
Apply a Style with the DIV Tag
Apply a Style Locally
Apply a Style Using the ID Attribute

Formatting Text with Style Sheets

Add Bold to Text
Italicize Text
Indent Text
Change the Font Size
Change the Font
Change the Text Case
Change Text Alignment
Control Line Spacing
Control Letter Spacing
Add Color to Text
Add a Background Color to an Element
Add a Background Image to an Element
Add a Border
Change Link Colors
Change Link Hover Effects
Change Bullet or Number Styles
Customize Form Elements

Controlling Layout with Style Sheets

Control Layout
Set Width and Height for an Element
Use Relative Positioning
Use Absolute Positioning
Use Fixed Positioning
Set Margins
Add Padding
Wrap Text around Elements
Change Vertical Alignment
Create a Centered Layout
Control the Overlap of Elements
Hide an Element
Customize a Background Image

Working with JavaScript

Understanding JavaScript
Understanding Script Events
and Handlers
Add JavaScript to a Web Page
Create a JavaScript File
Hide JavaScript
Add Alternative Text
Insert the Current Date and Time
Display an Alert Message Box
Display a Pop-Up Window
Customize the Status Bar
Message for a Link
Create an Image Rollover Effect
Validate Form Data
Show a Hidden Element

Adding Multimedia and Extra Touches

Understanding Multimedia Elements
Understanding Plug-Ins and Players
Link to Audio or Video Files
Embed a Video File
Embed an Audio File
Embed a Flash Movie
Add a Java Applet
Embed a Video Clip from YouTube
Embed an Image from Flickr
Add a Google Search Box to Your Page
Add a Digg Link to Your Page
Automatically Load another Web Page
Create an Image Map

Publishing Your Web Pages

Understanding Web Page Publishing
Transfer Files to a Web Server
with WS_FTP
Troubleshoot Your Web Pages
Promote Your Web Site

Project