

Web Development Class			
Week	Session	Course	Topics to be covered
<b>Web Design</b>			
Week 1	Session 1	HTML	<ul style="list-style-type: none"> <li>• Introduction ☞ Hardware req. ☞ Upgrade Vs Clean installation • Installation: ☞ Attended ☞ Unattended ☞ Disk Image ☞ RIS • Environment: ☞ Computer Mgt., ☞ Devices &amp; Drivers, MMC • Desktop: ☞ Settings ☞ Accessibility ☞ Language</li> </ul>
Week 1	Session 2	HTML	<ul style="list-style-type: none"> <li>• HTML Structure ☞ Global Structure ☞ The HTML, BODY, HEAD, TITLE Elements ☞ Creating an HTML Document ☞ Basic Content Structure ☞ Headings ☞ Paragraphs ☞ Horizontal Rules ☞ Divisions ☞ Line Breaks • Links ☞ Local Links and Navigation Bars ☞ Remote Links ☞ E-mail Links ☞ Named Anchors (Bookmarks)</li> </ul>
Week 2	Session 3	HTML	<ul style="list-style-type: none"> <li>• Formatting ☞ Block-level Formatting ☞ Inline Formatting ☞ HTML Entities ☞ Using Colors ☞ Introduction to Cascading Style Sheets ☞ Embedded Styles ☞ Inline Styles • Graphics ☞ Embedding Images in a Web Page ☞ The "alt" Attribute and Accessibility ☞ Graphic Formats (GIF, JPEG, and PNG) ☞ Using Graphics as Links ☞ Using Background Images</li> </ul>
Week 2	Session 4	HTML	<ul style="list-style-type: none"> <li>• Lists ☞ Creating Unordered (Bulleted) Lists ☞ Creating Ordered (Numbered) Lists ☞ Nesting Lists • Tables ☞ Creating and Modifying Tables ☞ Table Coding Guidelines ☞ Working Around Browser ☞ inconsistencies ☞ Formatting Tables ☞ Table Headers and Captions ☞ Spanning Rows and Columns</li> </ul>
Week 3	Session 5	Frontpage 2000	<ul style="list-style-type: none"> <li>• Getting Started ☞ Important Web Concepts ☞ The FrontPage Screen and Toolbars ☞ Understanding FrontPage • View FrontPage Webs ☞ Saving and opening a FrontPage Web ☞ Creating a page ☞ Page Properties ☞ Inserting Comments ☞ Browser Preview • Formatting ☞ Text, Size, Font and Color ☞ Bold, Italic and Underline ☞ Working with Headings ☞ Special Characters ☞ Indents and Alignment ☞ Format Painter ☞ Bullets and Numbering</li> </ul>
Week 3	Session 6	Frontpage 2000	<ul style="list-style-type: none"> <li>• Lines and Images ☞ Horizontal Line ☞ Changing Horizontal Line Properties ☞ Inserting Images ☞ Image Manipulation ☞ Image properties ☞ Flowing text around Images ☞ Images as background • Hyperlinks and Bookmarks ☞ Creating Hyperlinks ☞ Links to email ☞ Creating Bookmarks ☞ Creating Hotspots • Special FrontPage Features ☞ Navigation View ☞ Themes ☞ Shared Borders ☞ Tasks ☞ Hyperlinks ☞ Reports</li> </ul>
Week 4	Session 7	Frontpage 2000	<ul style="list-style-type: none"> <li>• Tables ☞ Creating a table ☞ Changing table properties ☞ Manipulating Cells ☞ Changing cell ☞ properties ☞ Formatting a table and its content ☞ Using images as background ☞ Using Tables as layout • Frames ☞ Creating Frames ☞ Changing Properties of Frames ☞ Getting pages to flow ☞ Working with different frames</li> </ul>
Week 4	Session 8	Frontpage 2000	<ul style="list-style-type: none"> <li>• Forms ☞ Form templates ☞ Inserting form field ☞ Drop down menus ☞ Scrolling text boxes, radial and check boxes • More Special FrontPage ☞ Navigation Bars ☞ Page Banners ☞ FrontPage Components ☞ Dynamic HTML Effects ☞ Page Transitions • Testing, Publishing &amp; Administrating your Site ☞ Preview in browser command ☞ Verify all links and images ☞ Web site Administration</li> </ul>

<b>Graphic Design</b>			
Week 5	Session 9	<b>Photoshop</b>	<ul style="list-style-type: none"> <li>• Photoshop's Environment ◀ Raster and Vector Graphics ◀ Photoshop Environment Elements ◀ Navigating in Photoshop</li> <li>• Sizing Images ◀ Image Size and Resolution ◀ Cropping</li> <li>• Selecting Image Areas ◀ The Rectangular and Elliptical Marquee Tools ◀ The Lasso Tools</li> <li>• Saving Selections ◀ The Magic Wand Tool ◀ The Magnetic Lasso Tool ◀ Modifying Selections</li> </ul>
Week 5	Session 10	<b>Photoshop</b>	<ul style="list-style-type: none"> <li>• Layers ◀ Floating Versus Fixed Selections ◀ Undoing Previous Steps ◀ Copying Selections ◀ Creating Layers</li> <li>• Transforming Layers ◀ Copying Layers between Images ◀ Arranging Layers ◀ Saving Images in Photoshop Format</li> <li>• Blending and Compositing ◀ Defringing ◀ Opacity and Blending Modes ◀ Feathering Edges</li> </ul>
Week 6	Session 11	<b>Photoshop</b>	<ul style="list-style-type: none"> <li>• Image Modes ◀ Mode Characteristics ◀ Grayscale and Bitmap Modes ◀ Color Modes</li> <li>• Color and Painting ◀ Selecting Colors ◀ Painting Tools ◀ The Clone Stamp Tool</li> </ul>
Week 6	Session 12	<b>Photoshop</b>	<ul style="list-style-type: none"> <li>• Text, Layer Effects, and Filters ◀ Type Layers ◀ Layer Effects ◀ Filters ◀ Merging and Flattening Layers</li> <li>• Adjusting Images ◀ Brightness/Contrast ◀ Levels Adjustment Layers ◀ Toning Tools ◀ Hue/Saturation</li> <li>• Saving Completed Images ◀ Saving for Use in Print Applications ◀ Saving for the Web</li> </ul>
Week 7	Session 13	<b>Illustrator</b>	<ul style="list-style-type: none"> <li>• Illustrator Environment ◀ Viewing the Parts of a Window ◀ Using Illustrator's Palettes ◀ Preview and Outline Modes</li> <li>• Zooming ◀ Scrolling ◀ Navigation Shortcuts ◀ The Navigator Palette</li> <li>• Drawing Tools ◀ Pencil Tool ◀ Erase Tool ◀ The Smooth Tool ◀ Creating Straight Segments with the Pen Tool ◀ Constraining Straight Segments</li> <li>• Creating Curved Segments ◀ Multiple Segment Paths ◀ Changing Direction ◀ Combining Straight and Curved Segments ◀ Editing Paths</li> </ul>
Week 7	Session 14	<b>Illustrator</b>	<ul style="list-style-type: none"> <li>• Working with Objects ◀ Using Rulers ◀ Using Rulers ◀ Creating Objects ◀ Drawing Rectangles ◀ Drawing from Center</li> <li>• Drawing Rounded Rectangles ◀ Drawing Ovals ◀ Editing Objects ◀ Editing Points ◀ Scaling Objects Numerically</li> <li>• Adding Anchor Points ◀ Converting Direction Points ◀ Deleting Anchor Points</li> <li>• Grouping Objects ◀ Editing Objects ◀ Tracing Curves, Circles, and Paths</li> </ul>
Week 8	Session 15	<b>Illustrator</b>	<ul style="list-style-type: none"> <li>• Paint Attributes ◀ Applying Color ◀ Creating Colors ◀ Gradients ◀ Using Brushes ◀ Applying Brushes</li> <li>• Transparency</li> <li>• Layers ◀ Stacking Order ◀ Managing Stacking Order ◀ Using Layers ◀ Creating Layers</li> <li>• Assigning Objects to Layers ◀ Layer Options ◀ Using Layers ◀ Applying Paint Attributes and Using Layers</li> </ul>
Week 8	Session 16	<b>Illustrator</b>	<ul style="list-style-type: none"> <li>• Working with Type ◀ Creating Type ◀ Creating Type ◀ Formatting Type ◀ Type within an Area ◀ Creating Type within an Area</li> <li>• Copying Type Formatting ◀ Copying Type Formatting ◀ on a Path ◀ Type on a Path</li> <li>• Type Objects ◀ Applying Color to Type Objects ◀ Creating Outlines ◀ Creating Outlines ◀ Outlines</li> <li>• Adding Type</li> <li>• Creating Output ◀ Printing ◀ Printing ◀ Save for Web ◀ Save for Web</li> </ul>
<b>Web Programming</b>			
Week 9	Session 17	<b>Dreamweaver</b>	<ul style="list-style-type: none"> <li>• Dreamweaver Basics ◀ Internet Access and HTML ◀ The Dreamweaver Environment ◀ Editing an Existing Page</li> <li>• View HTML &amp; Download Time</li> <li>• Creating Basic Web Page ◀ Creating and Formatting Text ◀ Saving and Titling Web Pages</li> <li>• Working with Images</li> </ul>
Week 9	Session 18	<b>Dreamweaver</b>	<ul style="list-style-type: none"> <li>• Designing a Web Site ◀ Defining a Web Site ◀ Working with the Site Window ◀ Working with Templates</li> <li>• Working with Text ◀ Importing Text ◀ HTML Text ◀ Character Formatting ◀ Paragraph Formatting HTML Styles</li> <li>• Working with Links ◀ Links within a Site ◀ Anchors ◀ Working with External Links</li> </ul>

Week 10	Session 19	<b>Dreamweaver</b>	<ul style="list-style-type: none"> <li>• Working with Images ◀Importing Images ◀Resizing Images ◀Using Images as Links</li> <li>• Working with Tables ◀Creating Tables ◀Changing Table Layout ◀Formatting Text in Tables ◀Table Attributes ◀Using Tables for Layout</li> </ul>
Week 10	Session 20	<b>Dreamweaver</b>	<ul style="list-style-type: none"> <li>• Building with Frames ◀Creating a Frameset ◀Web Pages in Framesets ◀Frame Link Destinations</li> <li>• Uploading a Web Site ◀Checking the Site ◀Uploading the Site</li> </ul>
Week 11	Session 21	<b>ASP</b>	<ul style="list-style-type: none"> <li>• Introduction to ASP ◀What is ASP? ◀ASP Scripting Languages, Objects, and Components</li> <li>• Server-side Includes ◀Using Server-side Includes◀Using Dynamic Server-side Includes</li> <li>• The Response Object ◀What is the Response Object? ◀The Write Method◀The Redirect Method ◀Controlling Output</li> </ul>
Week 11	Session 22	<b>ASP</b>	<ul style="list-style-type: none"> <li>• The Request Object ◀What is the Request Object? ◀The Form Collection◀The QueryString Collection ◀The ServerVariables Collection •Cookies ◀What are Cookies? ◀The Response.Cookies Collection◀The Request.Cookies Collection</li> </ul>
Week 12	Session 23	<b>ASP</b>	<ul style="list-style-type: none"> <li>• ASP Components, Part 1 ◀What are ASP Components? ◀The Server Object◀The AdRotator Component</li> <li>• ASP Components, Part 2 ◀The Browser Capabilities Component◀The Content Linking Component</li> <li>• Applications, Sessions, and the Global.asa ◀What are ASP Applications and Sessions ◀What is the Global.asa</li> </ul>
Week 12	Session 24	<b>ASP</b>	<ul style="list-style-type: none"> <li>• Scripting Objects ◀The Built-in Scripting Objects◀The FileSystemObject Object ◀The TextStream Object</li> <li>•ASP and the ADO Model ◀-ASP, Databases, and ADO◀-The Database Environment◀-Connecting to the Database •Viewing Database Records ◀Working with Recordsets◀Creating Combo Boxes and Option Groups ◀Filtering RecordsAdding</li> </ul>
Week 13	Session 25	<b>ASP</b>	<ul style="list-style-type: none"> <li>•Updating, and Deleting Records ◀ Adding Records to a Database◀-Updating Records in a Database ◀ -Deleting Records from a Database • Stored Procedures and Parameters ◀Using Stored Procedures ◀The Command Object ◀Parameter Queries Advanced Recordset Techniques ◀Editing Records with a Data Browser ◀Paging Through a Recordset</li> </ul>
Week 13	Session 26	<b>ASP</b>	<ul style="list-style-type: none"> <li>•An ASP Event Calendar ◀Creating a Calendar◀Adding a Database of Events</li> <li>•Shopping Cart Design and Database Considerations ◀Planning a Shopping Cart◀Database Design Issues ◀Considerations for the Unique CartID</li> </ul>
Week 14	Session 27	<b>ASP</b>	<ul style="list-style-type: none"> <li>•Product Display and Searching ◀Working with Product Categories ◀Product Display and Keyword Searching</li> <li>•The Shopping Cart Script ◀Building the Shopping Cart◀Updating Quantity and Deleting Items ◀Customer Information, Shipping &amp; Handling, and Taxes</li> </ul>
Week 14	Session 28	<b>ASP</b>	<ul style="list-style-type: none"> <li>• Taking Product Orders ◀Finalizing an Order ◀Customer Relations and Further Directions</li> <li>• An Ad Rotation and Tracking System and a Simple Affiliates Program ◀Creating a Database-Driven Ad Rotator System ◀Creating Ad Reports ◀Adding a Web Affiliate Program to your Shopping Cart</li> </ul>
Week 15	Session 29	<b>ASP.NET</b>	<ul style="list-style-type: none"> <li>• Introduction to ASP.NET◀ Building applications ◀ Achieving scalability with multitier applications</li> <li>• The .NET Framework: ◀ Compiling and executing .NET applications ◀.NET class libraries ◀Deploying applications</li> </ul>

Week 15	Session 30	<b>ASP.NET</b>	<ul style="list-style-type: none"> <li>• Building web pages with the asp.net objects</li> <li>• The ASP.NET object model</li> <li>• produce dynamic Web pages</li> <li>• Session and Application objects</li> </ul>	
Week 16	Session 31	<b>ASP.NET</b>	<ul style="list-style-type: none"> <li>• Processing user input with Request and Response objects</li> <li>• Capturing user input with Web Forms</li> <li>• Generating page output programmatically</li> <li>• Writing simple pages with HTML controls</li> <li>• Configuring common properties</li> <li>• Populating HTML forms with controls</li> </ul>	
Week 16	Session 32	<b>ASP.NET</b>	<ul style="list-style-type: none"> <li>• Enhancing the user interface with Web Forms and Web controls</li> <li>• Web controls vs. HTML controls</li> <li>• ImageButtons and TextBoxes</li> <li>• ListBoxes and Tables</li> <li>• The ADO.NET fundamentals</li> <li>• Configuring databases with Visual Studio .NET</li> <li>• Client- vs. server-side cursors</li> </ul>	
Week 17	Session 33	<b>ASP.NET</b>	<ul style="list-style-type: none"> <li>• Presenting data</li> <li>• Connecting to OLE DB and native SQL Server data sources</li> <li>• Managing connection lifetimes</li> <li>• Presenting data using DataReaders and Tables</li> <li>• Issuing commands to databases</li> <li>• Inserting, updating and deleting records with the Command object</li> <li>• Creating reusable stored procedures with parameterized queries</li> <li>• Supporting page-based and ADO.NET transactions</li> </ul>	
Week 17	Session 34	<b>ASP.NET</b>	<ul style="list-style-type: none"> <li>• Minimizing connection times with client-side cursors</li> <li>• Mirroring database tables with DataSets</li> <li>• Synchronizing data with DataAdapters</li> <li>• Producing distributed applications</li> <li>• Remoting .NET classes</li> <li>• .NET components vs. Web services</li> <li>• Deploying components in assemblies</li> </ul>	
Week 18	Session 35	<b>ASP.NET</b>	<ul style="list-style-type: none"> <li>• Converting objects into Web services</li> <li>• Defining Web service proxies with WSDL</li> <li>• Instantiating remote Web services with SOAP</li> <li>• Scaling .NET Web applications</li> <li>• Enabling concurrency with multithreading</li> <li>• Protecting shared data with interlocks</li> </ul>	
Week 18	Session 36	<b>ASP.NET</b>	<ul style="list-style-type: none"> <li>• Integrating ASP with ASP.NET</li> <li>• Minimizing risk by reusing legacy pages</li> <li>• Accessing legacy ASP objects from ASP.NET pages</li> <li>• Migrating components to ASP.NET</li> <li>• Wrapping COM objects as .NET components</li> <li>• Invoking Web services from COM objects</li> </ul>	
<b>Database</b>				Tuesday
Week 19	Session 37	<b>MS Access Or MS SQL</b>	<ul style="list-style-type: none"> <li>• Overview of the Features of SQL Server</li> <li>• Why you want to use SQL Server</li> <li>• Features &amp; Capacities of SQL Server</li> <li>• Installation of SQL Server</li> <li>• Database Setup &amp; Maintenance</li> <li>• Connectivity</li> <li>• Database Objects</li> <li>• Looking at Schema Views</li> <li>• System Stored Procedures</li> <li>• Database Creation</li> <li>• Database growth</li> <li>• Expanding &amp; Shrinking</li> </ul>	
Week 19	Session 38	<b>MS Access Or MS SQL</b>	<ul style="list-style-type: none"> <li>• Relational Database Design</li> <li>• Relational Database Management System</li> <li>• Codd's 12 Ruls of Database Normalization</li> <li>• Transact-SQL</li> <li>• Additional Tools in SQL Server</li> <li>• Transaction Logs</li> <li>• Creating Tables</li> <li>• SQL Server Field Types</li> <li>• Creating Defaults</li> <li>• Adding Data to Tables</li> <li>• Proof of concepts examples</li> </ul>	
Week 20	Session 39	<b>MS Access Or MS SQL</b>	<ul style="list-style-type: none"> <li>• Creating Constraints</li> <li>• Primary &amp; Foreign Keys</li> <li>• Creating a Unique Constraint</li> <li>• Creating Indexes</li> <li>• CHECK</li> <li>• Creating Rules</li> <li>• Data Modification</li> <li>• Inserting data</li> <li>• Updating data</li> <li>• Deleting data</li> </ul>	

Week 20	Session 40	<b>MS Access Or MS SQL</b>	<ul style="list-style-type: none"> <li>• SELECT statement •WHERE clause • Calculated columns &amp; Null • Sorting data • Aggregate functions</li> <li>•Using the SQL Query Analyzer • Advanced Queries • CASE •Aggregate Functions &amp; Group By</li> <li>•Top N Percent • Joining Tables •Joins ◀ Inner Joins ◀Outer Joins ◀Cross Joins ◀Self-Joins • Union • Data Modification</li> </ul>	
Week 21	Session 41	<b>MS Access Or MS SQL</b>	<ul style="list-style-type: none"> <li>•Functions ◀ System Functions &amp; Variables ◀Date functions ◀Mathematical functions ◀String functions</li> <li>◀System functions ◀Cast &amp; Convert functions</li> <li>•System Variables •Stored Procedures •Business rules in stored procedures •Using Cursors•Triggers &amp; Views</li> </ul>	
Week 21	Session 42	<b>MS Access Or MS SQL</b>	<ul style="list-style-type: none"> <li>• Transferring Data • Bulk Copy Procedure • Bulk Insert • Data Transformation Services (DTS) • Transferring a File Using DTS • Course Review</li> </ul>	
<b>Advanced Web Programming</b>				
				Tuesday
Week 22	Session 43	<b>JAVA</b>	<ul style="list-style-type: none"> <li>•Language Fundamentals◀Source Files ◀Keywords and Identifiers ◀Primitive Data ◀types</li> <li>◀ Arrays ◀Class Fundamentals ◀Argument Passing ◀Garbage Collection</li> </ul>	
Week 22	Session 44	<b>JAVA</b>	<ul style="list-style-type: none"> <li>• Operators and Assignments ◀Evaluation Order ◀The Unary Operators ◀The Arithmetic Operators ◀The Shift Operators: &lt;&lt;, &gt;&gt; and &gt;= ◀The Comparison Operators ◀The Bitwise Operators</li> </ul>	
Week 23	Session 45	<b>JAVA</b>	<ul style="list-style-type: none"> <li>◀The Short-Circuit Logical Operators ◀The Conditional Operator ◀The Assignment Operators •Modifiers</li> <li>◀Modifier Overview ◀The Access Modifiers ◀Other Modifiers ◀Modifiers and Features</li> </ul>	
Week 23	Session 46	<b>JAVA</b>	<ul style="list-style-type: none"> <li>• Converting and Casting ◀ Explicit and Implicit Type Casting ◀ Primitives and Conversion ◀ Primitive and Casting ◀ Object Reference Conversion ◀ Object Reference Casting</li> </ul>	
Week 24	Session 47	<b>JAVA</b>	<ul style="list-style-type: none"> <li>•Flow Control and Exceptions ◀The Loop Constructs ◀The Selection Statements ◀Exceptions • Objects and Classes ◀ Benefits of Object-Oriented Implementation</li> </ul>	
Week 24	Session 48	<b>JAVA</b>	<ul style="list-style-type: none"> <li>◀ Overloading and Overriding ◀ Constructors and Subclassing ◀ Inner Classes • Threads ◀Thread Fundamentals ◀Controlling Threads ◀Monitors, wait(), and notify()</li> </ul>	
Week 25	Session 49	<b>JAVA</b>	<ul style="list-style-type: none"> <li>• The java.lang and java.util Packages ◀The Object Class ◀The Math Class ◀The Wrapper Class ◀Strings◀ The Collections API</li> </ul>	
Week 25	Session 50	<b>JAVA</b>	<ul style="list-style-type: none"> <li>• Layout Managers ◀Why Java Uses Layout Manager ◀Layout Manager Theory ◀Layout Policies</li> <li>◀Controlling the Cell Size for a Component ◀GridBag's Shorthand ◀Other Layout Options ◀Improving Your Chances</li> </ul>	
Week 26	Session 51	<b>JAVA</b>	<ul style="list-style-type: none"> <li>• Events ◀ Motivation for the Event Delegation Model ◀ The Event Class Hierarchy ◀ Semantic Events ◀ Event Listeners ◀ Event Listeners ◀Action Commands</li> </ul>	
Week 26	Session 52	<b>JAVA</b>	<ul style="list-style-type: none"> <li>• Components ◀Components in General ◀The Visual Components ◀The Container Components ◀The Menu Components</li> </ul>	
Week 27	Session 53	<b>JAVA</b>	<ul style="list-style-type: none"> <li>• Painting ◀The paint() Method and the Graphics Context ◀The GUI Thread and the repaint() Method</li> <li>◀Images</li> </ul>	
Week 27	Session 54	<b>JAVA</b>	<ul style="list-style-type: none"> <li>• Input and Output ◀File Input and Output ◀Streams, Readers and Writers◀Sockets</li> </ul>	

Week 28	Session 55	<b>XML</b>	<ul style="list-style-type: none"> <li>• XML, HTML, and Browsers</li> <li>• Structured Data and Formatting</li> <li>• The Need for Structured Data</li> <li>• The Need for Richer Formatting Control</li> <li>• XML as an International Standard</li> <li>• SGML, XML, and HTML</li> <li>• W3C – The World Wide Web Consortium</li> <li>• XML Support in Today's Browsers</li> <li>• XML Applications</li> <li>• Using XML Notepad</li> </ul>
Week 28	Session 56	<b>XML</b>	<ul style="list-style-type: none"> <li>• Displaying XML Documents with CSS</li> <li>• Creating Style Sheets with the HTML STYLE Tag</li> <li>• Modifying HTML Commands with Style Sheets</li> <li>• Defining Classes of Styles</li> <li>• Font and Text Properties</li> <li>• Color and Background Properties</li> <li>• Positioning Properties</li> <li>• Printing Properties</li> <li>• CSS Objects</li> <li>• CSS Display Properties</li> <li>• CSS Documentation</li> </ul>
Week 29	Session 57	<b>XML</b>	<ul style="list-style-type: none"> <li>• Applying CSS to XML Documents</li> <li>• Viewing XML Documents with CSS in Internet</li> <li>• XML Namespaces</li> <li>• The Need for Namespaces</li> <li>• Specifying a Namespace</li> <li>• URLs, URIs, and URNs</li> <li>• Qualifying Names</li> <li>• Namespace Scoping</li> <li>• The HTML Namespace</li> <li>• Additional Significant Namespaces</li> </ul>
Week 29	Session 58	<b>XML</b>	<ul style="list-style-type: none"> <li>• Creating XML Documents</li> <li>• Well-Formed Structure</li> <li>• The XML Declaration</li> <li>• The W3C XML Specification</li> <li>• Understanding EBNF</li> <li>• The Document Type Declaration</li> <li>• Start and End Tags</li> <li>• Empty Tags</li> <li>• Element Nesting</li> <li>• Attributes</li> <li>• Comments</li> <li>• Built-In Entities</li> <li>• Displaying Data in Tables Using DHTML</li> <li>• Viewing XML Documents in Internet Explorer</li> </ul>
Week 30	Session 59	<b>XML</b>	<ul style="list-style-type: none"> <li>• Validating XML Documents with Schemas</li> <li>• The Limitations of DTDs</li> <li>• Schema Design Goals</li> <li>• Namespaces in XML</li> <li>• Linking Schemas to XML Documents</li> <li>• Annotation Declarations</li> <li>• Element Declarations</li> <li>• Specifying Simple Types</li> <li>• Regular Expressions</li> <li>• Union and List Types</li> <li>• Specifying Complex Types</li> <li>• Deriving Complex Types</li> <li>• Identity Elements</li> <li>• Documentation on XML Schemas</li> </ul>
Week 30	Session 60	<b>XML</b>	<ul style="list-style-type: none"> <li>• Using the XML Document Object Model with Java</li> <li>• Review of Just Enough Java To Use the DOM</li> <li>• Sources of Java XML Parsers</li> <li>• Installing Parsers</li> <li>• The Parser Object</li> <li>• The Document Object</li> <li>• Loading an XML File</li> <li>• The Java DOM API</li> <li>• Traversing the Document Tree</li> <li>• Using the Performance Monitor to Record and Analyze Performance Data</li> </ul>