

SPRINGFIELD TECHNICAL COMMUNITY COLLEGE

ACADEMIC AFFAIRS
DEVELOPED BY: KOBI SHEMESH

Course Number: PROG – 324 Department: Computer Information Technologies

Course Title: Web Authoring Semester: Fall Year: 2013

Objectives/Competencies

Course Objective	Competencies
1. History and basics of WWW and HTML; Developing a Web Page	<ol style="list-style-type: none">1. Learn the history of the Web and HTML2. Describe HTML standards and specifications3. Understand HTML elements and markup tags4. Create the basic structure of an HTML file5. Insert an HTML comment6. Work with block-level elements7. Create ordered, unordered, and definition lists8. Work with inline elements9. Understand the div and span elements10. Add attributes to HTML elements11. Format page content using the style attribute12. Mark empty elements with one-sided tags13. Add an inline image to a Web page14. Work with character sets and codes
2. Developing a Web Site	<ol style="list-style-type: none">1. Learn how to storyboard various Web site structures2. Create links among documents in a Web site3. Understand relative and absolute folder paths4. Work with the base element

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<p>3. Working with Cascading Style Sheets</p>	<ol style="list-style-type: none"> 5. Mark a location with the id attribute 6. Create a link to an id 7. Mark an image as a link 8. Create an image map from an inline image 9. Remove an image border 10. <i>Understand URLs</i> 11. <i>Link to a site on the Web</i> 12. <i>Link to an FTP site</i> 13. <i>Link to an e-mail address</i> 14. <i>Work with hypertext attributes</i> 15. Work with metadata
<p>4. Creating Special Effects with CSS</p>	<ol style="list-style-type: none"> 1. Review the history and concepts of CSS 2. Explore inline styles, embedded styles, and external style sheets 3. Understand style precedence and style inheritance 4. Understand the CSS use of color 5. Review the history and concepts of CSS 6. Explore inline styles, embedded styles, and external style sheets 7. Understand style precedence and style inheritance 8. Understand the CSS use of color 9. Float elements on a Web page 10. Explore the properties of the box model 11. Apply border styles to an element 12. Work with metadata
	<ol style="list-style-type: none"> 1. Work with CSS Selectors 2. Create styles for lists 3. Create and apply class styles 4. Create a rollover effect

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5. Working with Web Tables	<ol style="list-style-type: none">5. Create a drop-cap using a pseudo-element6. Manage page layout with CSS7. Work with overflow and clipping styles8. Create stacked objects9. Apply styles to various media10. Hide elements from printing11. Create and apply printer styles12. Create and prohibit page breaks from printing
6. Working with Web Forms	<ol style="list-style-type: none">1. Explore the structure of a Web table2. Create headings and cells in a table3. Create cells that span multiple rows and columns4. Create row and column groups5. Add a caption and a summary to a table6. Format a table using HTML attributes7. Format a table using CSS styles8. Collapse table borders9. Display page elements in tabular form10. Create a jigsaw layout11. Explore the use of tables for page layout12. Create rounded borders
	<ol style="list-style-type: none">1. Explore how Web forms interact with Web servers2. Create form elements3. Create field sets and legends4. Create input boxes and form labels5. Creation option buttons6. Create selection lists7. Create check boxes

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7. Designing a Web Site with Frames	<ul style="list-style-type: none"> 8. Create text area boxes 9. Apply styles to Web forms 10. Work with form buttons 11. Explore image elements and hidden fields 12. Work with form actions and methods
8. Working with XHTML	<ul style="list-style-type: none"> 1. Explore the uses of frames in a Web site 2. Create a frameset consisting of rows and columns of frames 3. Display a document within a frame 4. Format the appearance of a frame 5. Create links targeted at frames 6. Direct a link to a target outside of a frame layout 7. Format the color and size of frame borders 8. Create an inline frame
9. Programming with JavaScript	<ul style="list-style-type: none"> 1. Describe the history and theory of XHTML 2. Understand the rules for creating valid XHTML documents 3. Apply a DTD to an XHTML document 4. Understand how to apply the XHTML namespace 5. Test an XHTML document under the transitional DTD 6. Test an XHTML document under the strict DTD 7. Explore the use of character and parsed character data <ul style="list-style-type: none"> 1. Learn the history of JavaScript 2. Create a script element 3. Understand basic JavaScript syntax 4. Write text to a Web page with JavaScript 5. Learn about JavaScript data types 6. Declare and work with variables

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	<ol style="list-style-type: none">7. Create and call a JavaScript function8. Access an external JavaScript file9. Add comments to JavaScript code10. Learn about basic debugging techniques and tools