

ITEM	DETAILS	
1. Title of subject	WEB DESIGN	
2. Subject code	STC106	
3. Status of subject	Core	
4. Stage	Year 2	
5. Credit Hour	4	
6. Pre-Requisite	None	
7. Assessment	<b>100% Coursework</b> Proposal 10% Analysis Report 10% Design Report 10% Presentation 10% Project 60%	
8. Semester	Semester 2	
9. Objective of subject	To enable students to: <ul style="list-style-type: none"> <li>Understand the principles of web design. At the end of the course, students will be able to design set up web sites.</li> </ul>	
10. Synopsis of subject	Introduction to the Internet and developing and planning a web site; Creating web documents with HTML; Designing with HTML; Images; Links; Effective use of tables; Creating and enhancing web pages with frames; Publishing web pages; Using styles sheets; Form creation & design; Including multimedia features on web pages; Introduction to JavaScript.	
11. Details of subject	<b>Contents</b>	<b>Hours</b>

<b>Week 1</b>	<ul style="list-style-type: none"> <li>• Introduction to Internet</li> <li>• How information transfers</li> <li>• Introduction to the web</li> <li>• Web browsers</li> <li>• Getting connected</li> </ul>	4
	<p><b>Learning Outcomes:</b> At the end of the lessons, students will be able to:</p> <ul style="list-style-type: none"> <li>• Understand how web browsers work</li> <li>• Understand how information travels in the Web</li> </ul>	
	<p><b>Further reading for this lesson:</b> Niederst. (2001). Chapter 1 – The Web Environment</p>	
<b>Week 2</b>	<ul style="list-style-type: none"> <li>• Navigating the web</li> <li>• Who's publishing on the web</li> <li>• Features of the web</li> </ul>	4
	<p><b>Learning Outcomes:</b> At the end of the lessons, students will be able to:</p> <ul style="list-style-type: none"> <li>• Know how to navigate the web</li> <li>• Understand the uses of the web</li> <li>• Understand features and functionalities of the web</li> </ul>	
	<p><b>Further reading for this lesson:</b> Niederst. (2001). Chapter 1 – The Web Environment</p>	
<b>Week 3</b>	<ul style="list-style-type: none"> <li>• Introduction to HTML</li> <li>• Creating HTML documents</li> <li>• HTML header design</li> <li>• HTML body design</li> <li>• Using headings</li> <li>• Paragraph Text</li> </ul>	4
	<p><b>Learning Outcomes:</b> At the end of the lessons, students will be able to:</p> <ul style="list-style-type: none"> <li>• Know how to create basic HTML pages</li> </ul>	
	<p><b>Further reading for this lesson:</b> Niederst. (2001). Chapter 8 - HTML Overview, Chapter 9 - Structural HTML Tags</p>	
<b>Week 4</b>	<ul style="list-style-type: none"> <li>• Font tags</li> <li>• Inserting colours to text</li> <li>• Changing style</li> <li>• Using special characters</li> <li>• Creating numbers and bullets</li> <li>• Nested numbers and bullets</li> </ul>	4

	<p><b>Learning Outcomes:</b> At the end of the lessons, students will be able to:</p> <ul style="list-style-type: none"> <li>• Know how to apply formatting to Web pages</li> </ul>	
	<p><b>Further reading for this lesson:</b> Niederst. (2001). Chapter 10 - Formatting Text</p>	
<b>Week 5</b>	<ul style="list-style-type: none"> <li>• Using images</li> <li>• Getting images</li> <li>• Add an image</li> <li>• Add a border to the image</li> <li>• Add a background image</li> <li>• Define size of image</li> <li>• Change size of image</li> <li>• Wrap text around image</li> <li>• Align text and image</li> <li>• Create a thumbnail image</li> </ul>	4
	<p><b>Learning Outcomes:</b> At the end of the lessons students will be able to:</p> <ul style="list-style-type: none"> <li>• Know how to insert and format images in a Web page</li> </ul>	
	<p><b>Further reading for this lesson:</b> Niederst. (2001). Chapter 12 - Adding Images And Other Page Elements</p>	
<b>Week 6</b>	<ul style="list-style-type: none"> <li>• Introduction to links</li> <li>• Reasons for links</li> <li>• Link to another web page</li> <li>• Link within a web page</li> <li>• Link to e-mail</li> <li>• Change link colours</li> </ul>	4
	<p><b>Learning Outcomes:</b> At the end of the lessons students will be able to:</p> <ul style="list-style-type: none"> <li>• Understand how linking can be done</li> <li>• Know how to insert links for Web pages</li> </ul>	
	<p><b>Further reading for this lesson:</b> Niederst. (2001). Chapter 11 - Creating Links</p>	
<b>Week 7</b>	<ul style="list-style-type: none"> <li>• Introduction to tables</li> <li>• Create a table</li> <li>• Add border</li> <li>• Add caption</li> <li>• Span and align data in cells</li> </ul>	4

	<p><b>Learning Outcomes:</b> At the end of the lessons, students will be able to:</p> <ul style="list-style-type: none"> <li>• Understand how to apply borders to Web pages</li> <li>• Know how to insert tables into Web pages</li> <li>• Know how to format cells and caption</li> </ul>	
	<p><b>Further reading for this lesson:</b> Niederst. (2001). Chapter 13 - Tables</p>	
<b>Week 8</b>	<ul style="list-style-type: none"> <li>• Dividing a browser window into frames</li> <li>• Creating individual frames</li> <li>• Creating frame boarders</li> <li>• Creating stylish frames</li> </ul>	4
	<p><b>Learning Outcomes:</b> At the end of the lessons, students will be able to:</p> <ul style="list-style-type: none"> <li>• Know how to create page frames for Web pages</li> </ul>	
	<p><b>Further reading for this lesson:</b> Niederst. (2001). Chapter 14 - Frames</p>	
<b>Week 9</b>	<ul style="list-style-type: none"> <li>• Introduction to sound files</li> <li>• Linking to a sound file</li> <li>• Embedding a sound file</li> </ul>	4
	<p><b>Learning Outcomes:</b> At the end of the lessons, students will be able to:</p> <ul style="list-style-type: none"> <li>• Know the different types of sound files</li> <li>• Know the standard sound files that are used for Web pages</li> <li>• Know how to embed sound file into a Web page</li> </ul>	
	<p><b>Further reading for this lesson:</b> Niederst. (2001). Chapter 24 - Audio on the Web</p>	
<b>Week 10 and 11</b>	<ul style="list-style-type: none"> <li>• Introduction to video files</li> <li>• Linking to a video file</li> <li>• Embedding a video file</li> </ul>	8
	<p><b>Learning Outcomes:</b> At the end of the lessons students will be able to:</p> <ul style="list-style-type: none"> <li>• Know the different types of video files</li> <li>• Know the standard video files that are used for Web pages</li> <li>• Know how to embed video file into a Web page</li> </ul>	
	<p><b>Further reading for this lesson:</b> Niederst. (2001). Chapter 25 - Video on the Web</p>	

<b>Week 12 and 13</b>	<ul style="list-style-type: none"> <li>Using style sheets</li> <li>Form creation and design</li> </ul>		8
	<b>Learning Outcomes:</b> At the end of the lessons, students will be able to: <ul style="list-style-type: none"> <li>Know how to use style sheet and its importance</li> <li>Know how to design Web pages</li> </ul>		
	<b>Further reading for this lesson:</b> Niederst. (2001). Chapter 7 - Internalisation		
<b>Week 14</b>	<ul style="list-style-type: none"> <li>Introduction to JAVA script</li> </ul>		4
	<b>Learning Outcomes:</b> At the end of the lessons, students will be able to: <ul style="list-style-type: none"> <li>Know how to use JavaScripts for Web pages</li> </ul>		
	<b>Further reading for this lesson:</b> Niederst. (2001). Chapter 28 - Introduction to JavaScript		
<b>Total</b>			56
<b>12. Text</b>	<b>Compulsory</b>	Niederst, J. (2001). <i>Web Design in a Nutshell</i> (2 <sup>nd</sup> ed.). O'Reily.	
	<b>Reference</b>	Bickner, C. (2003). <i>Web Design on a Shoestring</i> . New Riders Publishing.	