

Course: 405: Web Designing

Course Code	405
Course Title	Web Designing
Credit	4
Teaching per Week	4 Hrs
Minimum weeks per Semester Review / Revision	15 (Including class work, examination, preparation etc.) June 2018
Medium of Instruction	English
Purpose of Course	Design is the process of collecting ideas, and aesthetically arranging and implementing them, guided by certain principles for a specific purpose. Web design is a similar process of creation, with the intention of presenting the content on electronic web pages, which the end-users can access through the internet with the help of a web browser. This course deals with designing of websites.
Course Objective	To make students aware of web terminology and website development tools. The student can know the real functions of website development.
Pre-requisite	Basic knowledge of Windows based applications. Some very basic acquaintance with computers and the www is assumed.
Course outcome	The students will be able to create, organize and design websites.
Course Content	<p><b>Unit 1. Introduction to Html</b></p> <ul style="list-style-type: none"> <li>1.1. Difference between HTML and HTML5</li> <li>1.2. Structure of HTML page</li> <li>1.3. Text Formatting Tags</li> <li>1.4. Block Formatting Tags (header, footer, aside, nav, div, h1-h6, p, hr, pre, section, blockquote, abbr)</li> <li>1.5. Lists</li> <li>1.6. Links and bookmarks</li> <li>1.7. Tables</li> <li>1.8. Form controls (with HTML5 input types colour, email, url, number, date, range)</li> <li>1.9. Frames</li> <li>1.10. Image and Image Maps</li> <li>1.11. HTML5 Audio &amp; Video Tags</li> </ul> <p><b>Unit 2. Introduction to CSS</b></p> <ul style="list-style-type: none"> <li>2.1 Introduction to CSS (What is CSS?, Use of CSS)</li> <li>2.2 Benefits of Cascading Style Sheets</li> <li>2.3 Applying a style sheet to a document <ul style="list-style-type: none"> <li>2.3.1. External Style Sheet</li> <li>2.3.2. Importing Style Sheet</li> <li>2.3.3. Embedding style sheet</li> <li>2.3.4. Inline Style</li> </ul> </li> <li>2.4 Properties: Font, Text, Margin, Border, List, Colour &amp; Background, Box</li> </ul> <p><b>Unit 3. Java Script</b></p> <ul style="list-style-type: none"> <li>3.1 Static, Dynamic and Active Page</li> <li>3.2 DHTML Events</li> </ul>

<ul style="list-style-type: none"> <li>3.2.1 Window, Form, Keyboard, Mouse</li> <li>3.3 Java Script <ul style="list-style-type: none"> <li>3.3.1 Overview of Client &amp; Server-Side Scripting</li> <li>3.3.2 Structure of JavaScript</li> <li>3.3.3 Data Types and Variables</li> <li>3.3.4 Operators: Arithmetic Operator, Assignment Operator, Comparison Operator, Logical Operator, Conditional Operator</li> <li>3.3.5 Control Structure: If...Else, While, Do...While, For</li> <li>3.3.6 Functions</li> </ul> </li> </ul>	<p><b>Unit 4, Design Web Sites Using Bootstrap</b></p> <ul style="list-style-type: none"> <li>4.1. Bootstrap Introduction</li> <li>4.2. Grid Structure</li> <li>4.3. Table, Colours, Alerts, Form Controls</li> <li>4.4. Buttons and Button Groups</li> </ul> <p><b>Unit 5, Hosting Web Pages</b></p> <ul style="list-style-type: none"> <li>5.1. Domain Name System</li> <li>5.2. Concept of Uploading the Web-site</li> <li>5.3. Protocols</li> <li>5.4. Window based FTP (Upload &amp; Download)</li> <li>5.5. Role of Web Server in Web Publishing</li> <li>5.6. Communication between Web Server &amp; Web Browser</li> </ul>
<p>Reference Books</p>	<ol style="list-style-type: none"> <li>1. Advanced HTML companion – Keith S. &amp; Roberts - AP Professional</li> <li>2. HTML &amp; CSS: The Complete Reference - Thomas Powell - McGraw Hill Education</li> <li>3. HTML Unleashed, Darnell Rick - Techmedia</li> <li>4. HTML, XHTML, and CSS Bible - Steven M. Schafer - Wiley Publications</li> <li>5. Cascading Style Sheets- The Definitive Guide, E. A Meyer - O'Reilly</li> <li>6. Java Scripting Programming for Absolute Beginner, Harris - PHI</li> <li>7. JavaScript Step by Step, Suehring - PHI</li> <li>8. Bootstrap in 24 Hours, Sams Teach Yourself - Jennifer Kyrnin</li> <li>9. Learning Bootstrap 4 - Matt Lambert - Packt Publishing</li> <li>10. Bootstrap Responsive Web Development - Jake Spurlock - O'Reilly Media.</li> </ol>
<p>Teaching Methodology</p> <p>Evaluation Method</p>	<p>Class Work, Discussion, Self-Study, Seminars and/or Assignments</p> <p>30% Internal assessment.</p> <p>70% External assessment.</p>