

Course: 405 : Web Designing

Course Code	405
Course Title	Web Designing
Credit	4
Teaching per Week	4 Hrs
Minimum weeks per Semester	15 (Including class work, examination, preparation etc.)
Review / Revision	June 2015
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>Unit 1. Introduction to Html and CSS</p> <ol style="list-style-type: none"> 1.1. Design and develop web pages using HTML tags <ol style="list-style-type: none"> 1.1.1. Structure 1.1.2. Text Formatting Tags 1.1.3. Block Formatting Tags 1.1.4. Headings 1.1.5. Lists 1.1.6. Links 1.1.7. Tables 1.1.8. Forms 1.1.9. Frames 1.1.10. Image Maps 1.1.11. Audio & Video Tags 1.2. Design and develop web pages using CSS <ol style="list-style-type: none"> 1.2.1. Introduction to CSS (What is CSS? ,Use of CSS) 1.2.2. Benefits of Cascading Style Sheets 1.2.3. Applying a style sheet to a document <ol style="list-style-type: none"> 1.2.3.1. External Style Sheet 1.2.3.2. Importing Style Sheet 1.2.3.3. Embedding style sheet 1.2.3.4. Inline Style 1.2.4. Properties : Font, Text, Margin, Border, List, Color & Background, Box <p>Unit 2. DHTML & Java Script</p> <ol style="list-style-type: none"> 2.1. Static, Dynamic and Active Page 2.2. DHTML Events <ol style="list-style-type: none"> 2.2.1. Window, Form, Keyboard, Mouse 2.3. Java Script <ol style="list-style-type: none"> 2.3.1. Overview of Client & Server Side Scripting

- 2.3.2. Structure of JavaScript
- 2.3.3. Data Types and Variables
- 2.3.4. Operators :Arithmetic Operator, Assignment Operator, Comparison Operator, Logical Operator, Conditional Operator
- 2.3.5. Control Structure : If...Else, While, Do...While, For
- 2.3.6. Functions

Unit 3. Creating Web Sites Using Front Page

- 3.1. Table
- 3.2. Form
- 3.3. Frame
- 3.4. Link Bars
- 3.5. Theme
- 3.6. Font
- 3.7. Picture
- 3.8. DHTML Effects
- 3.9. Styles
- 3.10. Publish

Unit 4. Hosting Web Pages

- 4.1. Domain Name System
- 4.2. Concept of Uploading the Web-site
- 4.3. Protocols
 - 4.3.1. Window based FTP (Upload & Download)
 - 4.3.2. Role of Web Server in Web Publishing
 - 4.3.3. Communication between Web Server & Web Browser

Unit: 5 Introduction to jQuery

- 5.1. Syntax Overview
- 5.2. Selectors
- 5.3. Events
- 5.4. Effects
 - 5.4.1. Hide
 - 5.4.2. Show
 - 5.4.3. Fade
 - 5.4.4. Slide
 - 5.4.5. Animate
 - 5.4.6. Stop
 - 5.4.7. Callback and Functions
 - 5.4.8. Chaining
- 5.5. jQuery HTML
 - 5.5.1. Get
 - 5.5.2. Set
 - 5.5.3. Add
 - 5.5.4. Remove
- 5.6. CSS, Styling, & Dimensions
- 5.7. Traversing
 - 5.7.1. Ancestors
 - 5.7.2. Descendants
 - 5.7.3. Siblings
 - 5.7.4. Filtering

Reference Books	<ol style="list-style-type: none"> 1. Microsoft FrontPage 2000, T.J. O’Leary - TMH 2. Microsoft FrontPage 2000 24 Hours, Roger C. – Techmedia 3. Microsoft FrontPage 2002 24 Hours), Rogers Cadenhead – Techmedia (SAMS 4. HTML 4U, Rohit Khurana – A.P.H. Publishing Corporation 5. Advanced HTML companion – Keith S. & Roberts - AP Professional 6. The Complete Reference HTML, Powel, Thomas A – TMH. 7. HTML Unleashed, Darnell Rick – Techmedia 8. Cascading Style Sheets- The Definitive Guide, E. A Meyer – O’Reilly 9. Java Scripting Programming for Absolute Beginner, Harris - PHI 10. JavaScript Step by Step, Suehring - PHI 11. Learning jQuery , Jonathan Chaffer, Karl Swedberg- Packt publication 12. JQuery For Dummies, Lynn Beighley - Wiley Publications.
Teaching Methodology	Class Work, Discussion, Self Study, Seminars and/or Assignments
Evaluation Method	30% Internal assessment. 70% External assessment.