

## **Web Design and Development - IT421 (Revised)**

**TEXT BOOK:** A Practical Approach to Web Programming, by IT Series, Tariq Mehmood

**Reference Book:** E-Business and E-commerce: How to Program” by Deitel & Deitel, T.R Nieto

**Grading Policy:-**

In Semester Evaluations: 30%

End Semester Evaluation: 70%

Week	Topics / Activities	LAB WORK
1	Introduction to Web Design and Development, Over view of Internet, TCP/IP and HTTP. Understanding 3-Tier Architecture, Types of Web Pages	Internet browsing. Famous Websites
2	Understanding Html structure, Html Tags Designing Web Pages in Html, frames, Lists, paragraphs and Images	Creating and saving first HTML page
3	Adding tables Forms and Hyperlinks to Html document	Tables, Frames, Images
4	Understanding CSS1, Terminology , attaching Style sheets	Connecting Multiple web pages. Forms
5	Complex Style Sheets	CSS in web page
6	Dreamweaver, Web templates, DHTML	Simple website in Dream weaver.
7	Introduction to Computer Graphics and Web Graphics	Banner Making
8	Overview of Web Graphic Tools (Adobe Photoshop, Flash)	Button Making
9	<b>MID Term</b>	
10	Content Management System (JOOMLA), blogs	Making Website with JOOMLA
11	Designing Using JOOMLA	Making Website with JOOMLA
12	Web Hosting, Web Servers, Web publishing FTP	Website Hosting and Presentation
13	Introduction of Client side Programming. Validation Issues in web sites. JavaScript Introduction	Java Script Programming
14	JavaScript control structures (if structure, while structure, for structure, switch multiple selection structure, do while repetition structure, the break and continue statements, the labeled break and continue statements)	Control structure exercises

Week	Topics / Activities	LAB WORK
15	Overview of Server Side Scripting	Web project Presentation
16	FINAL EXAM	