

ALLAMA IQBAL OPEN UNIVERSITY, ISLAMABAD
(Department of Computer Science)

WARNING

1. **PLAGIARISM OR HIRING OF GHOST WRITER(S) FOR SOLVING THE ASSIGNMENT(S) WILL DEBAR THE STUDENT FROM AWARD OF DEGREE/CERTIFICATE, IF FOUND AT ANY STAGE.**
2. **SUBMITTING ASSIGNMENTS BORROWED OR STOLEN FROM OTHER(S) AS ONE'S OWN WILL BE PENALIZED AS DEFINED IN "AIOU PLAGIARISM POLICY".**

Course: Web Design Tools (3446)
Level: BS (CS)

Semester: Autumn, 2013
Total Marks: 100

ASSIGNMENT No. 1

(Units 1–4)

Note: Attempt all questions. (All carry equal marks).

- Q.1 a) What is meant by WWW? Define it in detail with the help of different examples.
b) Explain the features of WWW.
- Q.2 Generally describe the characteristics of an Interface Design. Also explain the basics of HTML.
- Q.3 a) Create your own HTML page and write down all the steps clearly.
b) Define the terms Tags and Attributes with the help of suitable examples.
- Q.4 a) Introduce the term "Designing" and regarding this, also explain the concepts of "Margins, Tables & Frames".
b) Describe the "Standard HTML formatting" in detail.
- Q.5 Write notes on four of the following topics:
- Media
 - Frames
 - Search Engines
 - Interface Design
 - Margins and Tables

ASSIGNMENT No. 2

(Units 5–8)

Note: Attempt all questions. (All carry equal marks).

- Q.1 a) Write a detailed note on "Image production and file formats".
b) Explain some important "Graphic Techniques" in detail.
- Q.2 Generally describe the "Layout Method" with the help of at least two suitable examples.
- Q.3 a) Create a simple and stylish layout of a web page of your own choice. And write down all the steps clearly.

- b) Explain GIF Animated software which can be helpful in multimedia designing.
- Q.4 Explain the term “Page Elements”. Also define interactivity and multimedia packages with the help of different examples.
- Q.5 Write short notes on the following topics:
- Graphic Skills
 - Graphic Applications
 - Audio/Video Processing Tools
 - Web Color Theory and Technology

3446 Web Design Tools

Credit Hours: 4 (3 + 1)

Recommended Book:

WEB by Design; The complete Guide by Molly E. Holzschlag

Course Outlines:

Unit 1: Introduction to Web

Introduction, Browser history, Features of Web, www, Search engines, Comparison of Web, Lab Exercises: Survey of websites (good/bad)

Unit 2: Introduction to HTML

Basics of HTML, Tags and Attributes, HTML Editing Environment, Art of Interface (five features of interface design), Lab Exercises: HTML

Unit 3: Designing for the Screen

Relating Text and Media (Alignment and Sizing text and images), Margins and Tables, Standard HTML formatting, Frames, Lab Exercises: HTML (Tables and Frames)

Unit 4: Web Graphic Technology

Graphic skills and Tools, Image production and file formats, Graphic Techniques and applications, Web color theory and technology, Lab Exercises: Graphics Tools (Adobe Photoshop)

Unit 5: Web Page Layout

Page Elements (Dimension, shape, header, text, media), Layout Method, Creating simple and stylish layout, Lab Exercises: Web Page Development

Unit 6: Web Typography

Families and Faces, Type Form, Approaching Web Typography, Creating Color Type with Graphics, HTML Based Type and color, Lab Exercises: Web Page Development

Unit 7: Multimedia Design

Interactivity, GIF Animated software, Audio and Video, Multimedia Packages, Lab Exercises: Flash and other Audio/Video processing tools

Unit 8: Web Programming Techniques

Introduction to (ASP (VB Script), JSP, Java Script, DHTML, XML), Lab Exercises: Scripting in selected techniques by groups

Unit 9: WWW Case Study

Designing and Publishing Web Documents, Designing and Publishing Multimedia Presentation, Designing, Publishing and Uploading Web Site

Note: Student will use Adobe Photoshop and Macro Media Flash as software tools.