

Institute of Computer Science/Information Technology (ICS&IT)
Faculty of Management Sciences & CS/IT (FMCS)
The University of Agricultural Peshawar

Program: BS (CS) -6
Course Name: Web Design & Development
Course Code: CSE-512
Course Hours: 03
Total Weeks: 16
Total Hours: 48
Prerequisite: Programming fundamentals

Course Objectives:

The objective of this course is to provide knowledge of web development and tools used in this field. The Technology used here are Html, CSS, JavaScript as a client-side and jquery. The Students will learn the about the history of web and Internet. After completion of this course students will be able to transform their views in the form of web pages.

Week: 1

Introduction to
World Wide Web
Internet
Search Engines

Week: 2

Introduction to html
Basic html concepts
Document title <Title>
Document body <body>
Document head <head>
Html formatting
Italic <I>
Break

Font definition
Bold
Heading <H1>through <H6>

Week: 3

Html links, Internal links
Html images
Preformatted <pre>
Scripting <script>
Subscript <sub> Superscript <sup>
Html table
Table <table>
Table Head<th>

Table Row <tr>
Table Data <td>

Week: 4

Html list

- Ordered list
- Unordered list

Html form

Html form elements

Week: 5

Designing the page using DIV

CSS

Introduction

Syntax

Week: 6

CSS backgrounds

CSS borders

CSS margins

Week: 7

CSS width/height

CSS padding

CSS links

Week: 8

CSS tables

CSS lists

CSS opacity

Week: 9

Client side scripting

Define Java Script

Data types and variables

Numerical data

Text data

Boolean data

Input box, alert, msgbox

Week: 10

Decision making statements

If and Else if statements

Switch statement

Week: 11

Looping

For loop

While loop
Break and Continue

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Week: 12

Declaring user defined function
Variable scope and life time

Week: 13

Events and form validation
On click
On mouse over
On mouse move
On mouse out

Week: 14

Introduction to jquery
Downloading and installing jquery
Writing a simple jquery function

Week: 15

Show()
Hide()
Fade()
Slide()

Week: 16

Introduction to server side technologies

Recommended Books:

- The Complete Reference Html by Thomas A.Powell
- Beginning Java Script By Paul Wilton (Wrox Series)

Recommended Website:

www.w3schools.com