This Web Design course will teach you HTML, HTML 5, and Cascading Style sheets (CSS). It is aimed at complete beginners to the subject, and assumes you have no knowledge of creating web pages. You won't need to buy any expensive software for this course.
## Contents

<table>
<thead>
<tr>
<th>Contents</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Web Designing and Development</td>
<td>3</td>
</tr>
<tr>
<td>Objectives</td>
<td>3</td>
</tr>
<tr>
<td>Course Content</td>
<td>3</td>
</tr>
<tr>
<td>Session 1: Getting Started</td>
<td>3</td>
</tr>
<tr>
<td>Session 2: Basic HTML Tags</td>
<td>3</td>
</tr>
<tr>
<td>Session 3: Getting started with CSS</td>
<td>3</td>
</tr>
<tr>
<td>Session 4: Dealing with Images</td>
<td>4</td>
</tr>
<tr>
<td>Session 5: Linking to other pages</td>
<td>4</td>
</tr>
<tr>
<td>Session 6: CSS Layouts</td>
<td>4</td>
</tr>
<tr>
<td>Session 7: HTML 4 and HTML 5 tables</td>
<td>4</td>
</tr>
<tr>
<td>Session 8: HTML forms</td>
<td>4</td>
</tr>
<tr>
<td>Session 9: HTML5 and Forms</td>
<td>4</td>
</tr>
<tr>
<td>Session 10: Getting your site online</td>
<td>4</td>
</tr>
<tr>
<td>Session 11: HTML and CSS Website</td>
<td>5</td>
</tr>
<tr>
<td>Session 12: Introduction of JQUERY &amp; JAVASCRIPT</td>
<td>5</td>
</tr>
<tr>
<td>Session 13: Introduction to PHP Programming</td>
<td>5</td>
</tr>
<tr>
<td>Session 14: Installing &amp; Configuring MySQL</td>
<td>5</td>
</tr>
<tr>
<td>Session 15: Services offer by PHP</td>
<td>5</td>
</tr>
<tr>
<td>Session 16: Course Project</td>
<td>5</td>
</tr>
<tr>
<td>Duration of course / training</td>
<td>6</td>
</tr>
<tr>
<td>No. of classes / week</td>
<td>6</td>
</tr>
<tr>
<td>Start Date &amp; Time</td>
<td>6</td>
</tr>
<tr>
<td>Demo Class Date &amp; Time</td>
<td>6</td>
</tr>
<tr>
<td>Prerequisites for course / training</td>
<td>6</td>
</tr>
<tr>
<td>Target Audience</td>
<td>6</td>
</tr>
<tr>
<td>Suggested course / training fee</td>
<td>6</td>
</tr>
<tr>
<td>Teaching Methodology</td>
<td>6</td>
</tr>
<tr>
<td>Resume / Profile of trainer / Teacher</td>
<td>7</td>
</tr>
</tbody>
</table>
Web Designing and Development
This Web Design course will teach you HTML, HTML 5, and Cascading Style sheets (CSS). It is aimed at complete beginners to the subject, and assumes you have no knowledge of creating web pages. You won't need to buy any expensive software for this course. The course has been designed to work on just about any operating system. Web Sites / Web Applications have taken immense importance in contemporary business. They must be aesthetically appealing & perform desired functionality effectively. In this course, you gain the knowledge and practical skills you need to develop a web application. You learn the fundamentals of HTML syntax, layout and CSS style sheets, creating effective Web pages, configuring a web server and designing databases using MySQL, producing dynamic web pages, retrieve and manipulate data, track user navigation, and integrate database contents using PHP.

Objectives
After this course student will be able to:
Develop interactive Web pages using XHTML, HTML/DHTML & CSS
Create interactive forms that capture and validate user input using JavaScript
Capture, retrieve and display information via a MySQL database
Effectively use Macromedia Dreamweaver CS5 for rapid website development
Control Java Applets, ActiveX Controls and other plug-ins
Enhance PHP programming skills to successfully build interactive, data-driven web applications
Design & Implementing commercial level databases for web applications
Establish, configure and maintain an intranet or Internet Web site
Designing & Using XML Web Services in PHP
Create interactive and rich user interface of the web application using AJAX.
Deploy, Maintain & Market Web Sites & Web Applications

Course Content

Session 1: Getting Started
1. Course Introduction
2. Course software
3. What is a HTML and HTML 5?
4. Getting started with tags
5. How to save web pages
6. Viewing your web pages

Session 2: Basic HTML Tags
1. Basic HTML template
2. Heading Tags
3. Paragraph and Break tags
4. Bold and Italics
5. HTML lists

Session 3: Getting started with CSS
1. Introduction to CSS
2. CSS rules
3. Where to put your styles
4. Using CSS selectors
5. Inline and Embedded styles
6. CSS and Fonts
7. Font colors
8. Font sizes
9. Styling Fonts
Session 4: Dealing with Images
1. Types of Images
2. Inserting Images
3. Image Attributes
4. Images and CSS
5. Text wrapping with CSS
6. CSS and image borders
7. Background Images
8. Adding captions to images

Session 5: Linking to other pages
1. Hyperlinks
2. Linking to other pages
3. Other types of hyperlinks
4. CSS and hyperlinks
5. External stylesheets
6. HTML lists and nav bars

Session 6: CSS Layouts
1. The Box Model
2. CSS Comments
3. CSS Positioning
4. CSS floats
5. A one column CSS layout
6. Styling the one column layout
7. Styling HTML 5 tags
8. A two column CSS layout
9. A three column CSS layout
10. A five portion CSS layout

Session 7: HTML 4 and HTML 5 tables
1. HTML 4 Tables
2. Row and Col span
3. Table alignment, color, images
4. HTML 5 Tables
5. HTML 5 Tables

Session 8: HTML forms
1. Form Tags
2. Textboxes, Submit, Reset
3. Formatting Textboxes with CSS
4. Labels, Textareas
5. Option buttons and Checkboxes
6. Passwords, hidden fields

Session 9; HTML5 and Forms
1. HTML 5 Forms
2. Placeholders, Required
3. Email, URL, Search
4. Spinners and Sliders
5. Dates, Color pickers
6. Data Lists
7. HTML Form Layouts
8. HTML 5 Video and Audio
9. The HTML 5 Canvas tag
10. Details, Aside, Mark

Session 10: Getting your site online
1. Websites and Domain Names
2. What to look for when buying Web-space
3. Search engine optimization
4. Pay per click advertising
5. Sitemaps
Session 11: HTML and CSS Website
1. Basic HTML Tags
2. CSS Font and Text Properties
3. CSS Borders, Margins, Padding
4. CSS used in the Lists Section
5. CSS used in the Positioning section
6. HTML images and hyperlinks
7. HTML5 Layout tags
8. HTML and HTML5 Table tags
9. HTML and HTML5 Form tags
10. HTML5 Video and Audio tags
11. HTML Special Characters

Session 12: Introduction of JQUERY & JAVASCRIPT
1. Searching the JQUERY
2. Create JQUERY Headers
3. Search and integrate
4. JQuery Sliders and animations
5. Implement JQUERY into your website
6. Create JQUERY menus in you html
7. Familiarization with JavaScript

Session 13: Introduction to PHP Programming
1. Fundamentals of PHP & Web Programming
2. Differences b/w PHP4 & PHP5
3. Arrays, Strings & Regular Expressions
4. Session & Application Management
5. Object Oriented Programming in PHP
6. Date, Time & File Manipulation

Session 14: Installing & Configuring MySQL
1. Installing & Configuring MySQL
2. Database Designing using MySQL
3. Standard/Sequential Query Language (SQL)
4. Database Programming in PHP

Session 15: Services offer by PHP
1. Sending E-mails from Code
2. Implementing Security in Web Applications
3. Design Patterns & Best Practices
4. Developing & Consuming Web Services
5. Creating Rich Web Interface using AJAX
6. Web Deployment to Commercial Web Servers
7. Maintaining & Optimizing Web Applications

Session 16: Course Project
Duration of course / training
No. of sessions: 16
Duration of each session: 2 hrs
Total No. of contacting hours: 16 x 2 = 32 hrs.

No. of classes / week
No. of Session per week: 3 sessions

Start Date & Time
Commencing from Monday, June 29, 2015
Time: 02:30 PM to 04:30 PM

Demo Class Date & Time
Date: Monday, June 22, 2015
Time: 02:30 PM to 04:30 PM

Prerequisites for course / training
Familiarity with hardware and software, NO Prerequisites

Target Audience
In the rush and excitement of building a website, it's easy to focus on being impressive and trying to "blow away" the competition. That's natural, and we all recognize the value of representing yourself well. But this ignores possibly the most important element of Internet marketing — one that has everything to do with the potential and future success not only of the website but of your company's ventures both online and off. While what I have to say may be obvious to some, for a great many web designers, marketers and website owners, it may introduce a new way of looking at communicating to customers.

Suggested course / training fee
For UIT students: PKR 6,000/-
For Other students: PKR 8,000/-
For Professionals: PKR 10,000/-

Teaching Methodology
The training methods for teaching web design and development at the source level according to the World Wide Web (WWW) Consortium and ECMA International standards for the Web's core markup, design, and scripting languages. These methods require no specialized technology infrastructure or investment beyond three generic categories of free and open-source software (text editors, web browsers, and web browser add-ons) that provide students with equitable technology access in- and outside of the classroom. Through these methods, writers develop a more comprehensive knowledge of the complex issues of web design and development that Adobe Dreamweaver and other software are designed to obscure. Partially a response to the limitations and professional de-skilling inherent in those types of software and certain content management systems, this workshop presents web design and development methods that are
sustainable, in that the methods are based in languages written at the source level, and not the arbitrary, shifting design of software interfaces. The training also offers evidence of how these methods and the principles behind them can extend to courses beyond web design to shape digital design and development throughout writing and communication curricula.

Resource Required: **Computing Lab I**

---

**Resume / Profile of trainer / Teacher**

Dedicated, ambitious and goal-driven educator with a years’ progressive experience in university. Documented and quantified success in providing activities and materials that engage and challenge the students intellectually. Thorough understanding of implementing the use of information technology in lesson preparation.

Enthusiastic and committed teacher with natural ability to appreciate and inspire students. Effectively dealt with students with learning differences and ADHD, remarkably interpreted a variety of instructions furnished in written, oral, diagram, or schedule form. Dedicated and promising to satisfy educational needs and well-being of the students.

A graduate (Bachelor of Computer science) with 2 semester’s internship experience in the field of teaching and a year job experience in the field work. Currently from last 9 months serving in UIT as junior lecturer. Possess a keen understanding of enforcing discipline by firmly setting classroom rules and resolving conflicts among students by encouraging positive debate. Incomparable capability of preparing daily lessons in accordance with the guidelines of the school’s education system along with keenly supervising student conduct during class, lunchtime and break in order to ensure a positive learning environment.

http://www.uit.edu/faculty-profiles/ShahroozShamim.pdf