

Internet Communications and Websites: Course Plan

Course Overview

The web is the world's fastest growing communication medium. It's use is increasingly central to business, education and government activity. Strong web design and web development skills are therefore increasingly in demand in today's labour market. This course will help you to develop those skills. It will familiarize you with the latest web design techniques and technologies, helping you to create websites that are professional in appearance and that conform to industry standards for accessibility and usability.

Course Learning Outcomes

Upon completion of this course you will be able to:

- Create simple web page structures using XHTML
- Format web pages using cascading style sheets (CSS)
- Build websites that conform to design and accessibility standards, and usability principles
- Validate and publish websites
- Design and implement website navigation schema
- Create a range of web page layouts using CSS
- Create websites colour schemas that conform to colour theory

Session Guide

Session	Topics	Content	Practical
1.	Structuring web pages with XHTML	XHTML	Create a basic webpage with XHTML
2.	Formatting web pages with CSS	XHTML CSS syntax CSS tag selectors	Create an external CSS stylesheet Link an external CSS stylesheet to an XHTML page Format web page text with CSS

3.	Adding graphics and links to web pages	<p>Images</p> <p>Grouping CSS tag selectors</p> <p>CSS pseudo classes</p>	<p>Add images to web pages</p> <p>Add background images to web pages</p> <p>Create a website banner</p> <p>Add links to web pages</p>
4.	<p>Validating and publishing web pages</p> <p>TMA Tutor Marked Assignment (deadline Session 5)</p>	<p>Web standards</p> <p>Validation</p> <p>Publication</p> <p>TMA planning</p> <p>TMA overview</p>	<p>Build web pages that comply to W3C standards</p> <p>Validate web pages using W3C validator</p> <p>Publish a website using FTP</p> <p>Starting the TMA</p>
5.	Creating a website layout and navigation schema with CSS	<p>CSS box model</p> <p>Basic CSS layout techniques</p> <p>CSS class and ID selectors</p> <p>XHTML <div> tags</p>	<p>Create a basic webpage layout with CSS</p> <p>Build a global navigation bar with CSS</p>
6.	Enhancing website design	<p>Color theory</p> <p>Basic typography</p>	<p>Create colour schemas for websites</p> <p>Utilize basic typographical techniques</p>
7.	Customising web pages with CSS	<p>Descendent selectors</p> <p>CSS inheritance</p> <p>Common links</p> <p>Breadcrumbs</p>	<p>Build a common links bar with CSS</p> <p>Create three column web page layout</p>
8.	Dealing with browser rendering issues	<p>Browser bugs</p> <p>Working with multiple stylesheets</p>	<p>Deal with common browser bugs</p> <p>Create a print stylesheet</p>
	Final Marked Assignment (FMA)		<p>See FMA brief for full details of what is required.</p> <p>Tutor help and advice</p>