

Module Scheme Semester One

Module Name:	Web Development		
Module Code:	CO456	Academic Year:	2018-19
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Learning Outcomes:	
1.	Demonstrate understanding of web standards and web deployment considerations
2.	Apply HTML and CSS to properly separate content and presentation concerns of web pages
3.	Create image-less and efficient web navigation using advanced CSS solutions
4.	Implement dynamic and DOM-based web scripts that respond to user interaction

Assessment Summary:	
<u>Assessment Task</u>	<u>Key Dates</u>
CW1 – Design and Develop a Website (apply industry standard approaches and technologies to a web development task)	Submission: Friday 25 January

Week by Week Guide:	
Week 1: beginning 01/10/2018	The Internet and the WWW
Week 2: beginning 08/10/2018	HTML 1 (Introductory level - inc. lists and hyperlinks)
Week 3: beginning 15/10/2018	HTML 2 (Introductory level - inc. tables, images and forms)
Week 4: beginning 22/10/2018	CSS 1 (Introduction and core CSS principles)
Week 5: beginning 29/10/2018	CSS 2 (Positioning elements)
Week 6: beginning 05/11/2018	CSS 3 (Advanced layout & navigation)

Week 7: beginning 12/11/2018	JavaScript 1 (Fundamentals, variables)
Week 8: beginning 19/11/2018	JavaScript 2 (Functions, branches, loops)
Week 9: beginning 26/11/2018	JavaScript 3 (Objects and the DOM)
Week 10: beginning 03/12/2018	JavaScript 4 (Forms and validation) and DHTML
Week 11: beginning 10/12/2018	Integrated HTML5, CSS3 and JavaScript – current integrated industry standards technologies from a selection of framework (e.g. Bootstrap) media, forms, gradients, SVG ('Edge') and other technologies.
Week 12: beginning 17/12/2018	Assignment Workshop
	CHRISTMAS VACATION
Week 16: beginning 14/01/2019	<u>Present</u> completed assignment artefact (ASSESSED)
Week 17: beginning 21/01/2019	<u>Present</u> completed assignment artefact (ASSESSED)

Core Text(s):

Bates C (2006) **Web programming**. John Wiley & Sons ISBN-13: 978-0470017753.
 Castro (2011) **HTML5 & CSS3**. Peachpit Press. ISBN-13: 978-0321719614.
 Duckett J (2014) **Web Design with HTML, CSS, JavaScript and jQuery Set**. John Wiley & Sons. ISBN-13: 978-1118907443.
 McGrath M (2011) **HTML5 In Easy Steps**. Easy Steps Ltd., UK. ISBN-13: 978-1840784251.
 McManus (2011) **Web Design In Easy Steps**. Easy Steps Ltd., UK. ISBN-13: 978-1840783803.
 Moseley R (2007) **Developing Web Applications**. John Wiley & Sons ISBN-13: 978-0470017197.
 Nixon R (2014) Learning PHP, MySQL & JavaScript: With jQuery, CSS & HTML5. O'Reilly. (available at http://www.ebooksbucket.com/uploads/itprogramming/javascript/Learning_PHP_MySQL_JavaScript_With_jQuery_CSS_HTML5_4th_Edition.pdf)
 Robbins JN (2012) **Learning Web Design: A Beginner's Guide to HTML, CSS, JavaScript, and Web Graphics**. O'Reilly Media ISBN-13: 978-1449319274.

Additional Reading:

<http://www.adobe.com>
http://www.w3.org/community/webed/wiki/Main_Page (Excellent educational reference from the organisation responsible for overseeing Web standards)
<http://www.w3schools.com>
<http://www.microsoft.com>