

## MMED M7001: UX Web Design Fundamentals

Module Details	
Module Code:	MMED M7001
Full Title:	UX Web Design Fundamentals <span>APPROVED</span>
Valid From::	Semester 1 - 2020/21 ( September 2020 )
Language of Instruction:	English
Duration:	1 Semester
Credits::	5
Module Owner::	Adele Commins
Departments:	Unknown
Module Description:	This module will equip students with the visual design and HCI skills to create a user-centred website. Students will also acquire the skills to setup, design and user test a website using a content management system connected to a database.

Module Learning Outcome	
On successful completion of this module the learner will be able to:	
#	Module Learning Outcome Description
MLO1	Apply responsive design techniques using a front-end web development framework.
MLO2	Use JavaScript to enhance interactivity and user engagement in a website.
MLO3	Demonstrate the ability to design and develop a website using a Content Management System.
MLO4	Test website functionality and usability on users.
Pre-requisite learning	
<b>Module Recommendations</b> <i>This is prior learning (or a practical skill) that is strongly recommended before enrolment in this module. You may enrol in this module if you have not acquired the recommended learning but you will have considerable difficulty in passing (i.e. achieving the learning outcomes of) the module. While the prior learning is expressed as named DkIT module(s) it also allows for learning (in another module or modules) which is equivalent to the learning specified in the named module(s).</i>	
No recommendations listed	

Module Indicative Content	
<b>Using JavaScript events and DOM Scripting</b> Apply simple javascript to HTML and CSS elements on a website.	
<b>Fundamentals of Content Management Systems</b> Explain how a CMS works and the difference between a static and dynamic website.	
<b>Installing and configuring a CMS</b> Demonstrate how to set up a CMS from scratch.	
<b>Techniques for embedding audio files into a website</b> Include audio in a web project using HTML5 and Cloud hosted audio files.	
<b>Techniques for embedding video into a website</b> Embed video in a web project using HTML5 and Cloud hosted video files such as Youtube/Vimeo.	
<b>Compare the key differences between a static and dynamic website</b> Show students the difference between static and dynamic websites and explain how a server processes server-side code.	
<b>Apply media queries in responsive design</b> Use breakpoints and media queries to control how a website appears on various devices.	
<b>Mobile device testing</b> Demonstrate how to view and interact with a website running on a Desktop, Tablet and Smartphone.	
Module Assessment	
Assessment Breakdown	%
Project	100.00%
Module Special Regulation	

## Assessments

Full Time On Campus			
No Course Work			
Project			
Assessment Type	Project	% of Total Mark	50
Marks Out Of	100	Pass Mark	40
Timing	Week 6	Learning Outcome	1
Duration in minutes	0		
<b>Assessment Description</b> Web development Practical based project			
Assessment Type	Project	% of Total Mark	50
Marks Out Of	100	Pass Mark	40
Timing	End-of-Semester	Learning Outcome	2,3,4
Duration in minutes	0		
<b>Assessment Description</b> Web development Practical based project			
No Practical			
No Final Examination			
Reassessment Requirement			
<b>A repeat examination</b> <i>Reassessment of this module will consist of a repeat examination. It is possible that there will also be a requirement to be reassessed in a coursework element.</i>			
<b>Reassessment Description</b> 100% CA			

## Module Workload

### Workload: Full Time On Campus

Workload Type	Contact Type	Workload Description	Frequency	Average Weekly Learner Workload	Hours
Lecture	Contact	Theory lecture on web design	Every Week	1.00	1
Practical	Contact	Work on web project	Every Week	2.00	2
Independent Study	Non Contact	Research HTML, CSS and JS coding techniques on the internet and in books	Every Week	5.00	5
Total Weekly Learner Workload					8.00
Total Weekly Contact Hours					3.00

### Workload: Part Time On Campus

Workload Type	Contact Type	Workload Description	Frequency	Average Weekly Learner Workload	Hours
Lecture	Contact	Theory lecture on web design	Every Week	1.00	1
Practical	Contact	Work on web project	Every Week	2.00	2
Independent Study	Non Contact	Research HTML, CSS and JS coding techniques on the internet and in books	Every Week	5.00	5
Total Weekly Learner Workload					8.00
Total Weekly Contact Hours					3.00

## Module Resources

### Recommended Book Resources

Dr. Andy Williams. (2019), WordPress for Beginners: A Visual Step-by-Step Guide to Mastering WordPress, 1st edition. Independently published, p.277, [ISBN: 1490532471].  
Frahaan Hussain. (2017), Responsive Web Design by Example: Embrace responsive design with HTML5, CSS3, JavaScript, jQuery and Bootstrap 4., 1st edition. Packt Publishing, p.292 pa, [ISBN: 9781787287068].

### Supplementary Book Resources

Jon Duckett. (2014), JavaScript and JQuery: Interactive Front-End Web Development, 1st edition. Wiley, p.640, [ISBN: 9781118531648].  
Dr. Vic Costello. (2012), Multimedia Foundations: Core Concepts for Digital Design, 1st edition. Focal Press, p.464, [ISBN: 978-024081394].

*This module does not have any article/paper resources*

### Other Resources

Website, creativeblog,  
<http://www.creativeblog.com/>  
Website, Smashing Magazine,  
<http://www.smashingmagazine.com/>  
Website, The FWA,  
<http://www.thefwa.com/>  
Website, Webby awards,  
<http://www.webbyawards.com/>  
Website, Republic of Code,  
<http://www.republicofcode.com/>