

MMED M7004: UX Front-End Web Development

Module Details	
Module Code:	MMED M7004
Full Title:	UX Front-End Web Development APPROVED
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 provides a platform for learning popular UX/UI, interface design and responsive design techniques. It also allows students to apply programming principles into their websites to enhance the user experience. In addition, the module provides an opportunity for students to research into emerging trends and learn about current best practices in the UX/UI/Web design industry.

Module Learning Outcome	
On successful completion of this module the learner will be able to:	
#	Module Learning Outcome Description
MLO1	Report on emerging trends in the web design and UX/UI industry.
MLO2	Implement a popular front-end web framework to create a responsive website.
MLO3	Apply CSS or SCSS and JavaScript to a web project to improve the aesthetics and user experience.
MLO4	Deploy a web application to a remote server using FTP and describe the process.
Pre-requisite learning	
Module Recommendations <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	
Emerging trends Report on emerging design and technological web trends from industry.	
Research user behaviour Current user behaviour and market trends on the Internet.	
Web design appreciation Analysis of current and best practice websites for inspiration.	
Planning the process Project management for web design.	
Selecting plugins Demonstrate the selection process for sourcing, testing and integrating javascript and CSS plugins to a web project.	
File Transfer Protocol Explain how FTP works, the difference between SFTP and FTP.	
Responsive design techniques Show students how to apply breakpoints and media queries to make their application mobile friendly.	
Module Assessment	
Assessment Breakdown	%
Course Work	100.00%
Module Special Regulation	

Assessments

Full Time On Campus			
Course Work			
Assessment Type	Presentation	% of Total Mark	30
Marks Out Of	100	Pass Mark	40
Timing	S1 Week 4	Learning Outcome	1
Duration in minutes	0		
Assessment Description On a current / emerging trend in web design/UX/UI.			
Assessment Type	Continuous Assessment	% of Total Mark	60
Marks Out Of	100	Pass Mark	40
Timing	S1 Week 11	Learning Outcome	3
Duration in minutes	0		
Assessment Description Web design and development practical project.			
Assessment Type	Written Report	% of Total Mark	10
Marks Out Of	100	Pass Mark	40
Timing	End-of-Semester	Learning Outcome	4
Duration in minutes	0		
Assessment Description Short written report about the process needed to deploy a web application to a server.			
No Project			
No Practical			
No Final Examination			
Reassessment Requirement			
A repeat examination 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.			
Reassessment Description 100% CA			

Module Workload

Workload: Full Time On Campus

Workload Type	Contact Type	Workload Description	Frequency	Average Weekly Learner Workload	Hours
Lecture	Contact	Lecture	Every Week	1.00	1
Practical	Contact	Work on project	Every Week	3.00	3
Independent Study	Non Contact	Research front-end web development tutorials on the Internet	Every Week	3.00	3
Directed Reading	Non Contact	Read books about responsive web design and web animations	Every Week	1.00	1
Total Weekly Learner Workload					8.00
Total Weekly Contact Hours					4.00

Workload: Part Time On Campus

Workload Type	Contact Type	Workload Description	Frequency	Average Weekly Learner Workload	Hours
Lecture	Contact	Lecture	Every Week	1.00	1
Practical	Contact	Work on project	Every Week	3.00	3
Independent Study	Non Contact	Research front-end web development tutorials on the Internet	Every Week	3.00	3
Directed Reading	Non Contact	Read books about responsive web design and web animations	Every Week	1.00	1
Total Weekly Learner Workload					8.00
Total Weekly Contact Hours					4.00

Module Resources

Recommended Book Resources

Zak Ruvalcaba & Mary Delamater. (2017), Murach's JavaScript and jQuery, 3rd edition. Mike Murach & Associates, p.620, [ISBN: 9781943872053].
Kirupa Chinnathambi. (2017), Creating Web Animations: Bringing Your Uls to Life, O'Reilly Media;, p.210, [ISBN: 9781491957516].
J.D. Rockefeller. (2016), Web Hosting Guide for Beginners, 1st edition. CreateSpace Independent Publishing Platform, p.26, [ISBN: 1539545393].

Supplementary Book Resources

Giner Alor-Hernández, José Luis Sánchez-Cervantes, Alejandro Rodríguez-González. (2019), Current Trends in Semantic Web Technologies: Theory and Practice (Studies in Computational Intelligence), 1st edition. Springer, p.292, [ISBN: 3030061485].
Kirupa Chinnathambi. (2016), HTML5 Canvas: From Noob to Ninja, 1st edition. CreateSpace Independent Publishing Platform, p.322, [ISBN: 1523978090].

This module does not have any article/paper resources

Other Resources

Website, Code drops tutorials,
<https://tympanus.net/codrops/>
Website, Unheap plugin repository,
<http://www.unheap.com/>
Website, Smashing Magazine,
<http://www.smashingmagazine.com>
Website, Bootstrap,
<https://getbootstrap.com/>
Website, CSS Tricks,
<https://css-tricks.com/>