

## INET C8018: Web Development

Module Details	
Module Code:	INET C8018
Full Title:	Web Development <span>APPROVED</span>
Valid From::	Semester 1 - 2019/20 ( June 2019 )
Language of Instruction:	English
Duration:	1 Semester
Credits::	5
Module Owner::	Peter Gosling
Departments:	Unknown
Module Description:	Students completing this module will be capable of designing and developing a professional looking dynamic cloud based application

Module Learning Outcome	
On successful completion of this module the learner will be able to:	
#	Module Learning Outcome Description
MLO1	Create rich webpages using advanced HTML elements and CSS styles.
MLO2	Design and build client-side scripts.
MLO3	Create dynamic webpages integrating client-side scripting and scripting libraries.
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>Client-Side Rich Webpages:</b> Tables and HTML Local Storage; browser compatibilities; inserting Audio and Video resources; integrating Widgets (e.g. Twitter, Facebook, Google Earth); the Box Model (border, padding, margins); positioning; advanced text styles; CSS transitions and animations.	
<b>Client-Side Scripting:</b> Client-Side Scripting - JavaScript; basic syntax, variables, operators, branching; arrays and loops; built-in Date, String and Math functions; writing and using functions; (Event Programming; introduction to the DOM (e.g. pull-down menus); regular expressions; introduction to jQuery; introduction to AJAX);	
Module Assessment	
Assessment Breakdown	%
Course Work	100.00%
Module Special Regulation	

## Assessments

Full Time On Campus			
Course Work			
<b>Assessment Type</b>	Class Test	<b>% of Total Mark</b>	30
<b>Marks Out Of</b>	0	<b>Pass Mark</b>	0
<b>Timing</b>	S1 Week 8	<b>Learning Outcome</b>	1,2
<b>Duration in minutes</b>	0		
<b>Assessment Description</b> Evaluate students understanding of Javascript, HTML and CSS. The students will be asked to explain various snippets of HTML, CSS and Javascript code.			
<b>Assessment Type</b>	Continuous Assessment	<b>% of Total Mark</b>	70
<b>Marks Out Of</b>	0	<b>Pass Mark</b>	0
<b>Timing</b>	End-of-Semester	<b>Learning Outcome</b>	1,2,3
<b>Duration in minutes</b>	0		
<b>Assessment Description</b> Evaluating students application of their knowledge of rich webpage development, including forms validation using Javascript.			
No Project			
No Practical			
No Final Examination			

Part Time On Campus			
Course Work			
<b>Assessment Type</b>	Class Test	<b>% of Total Mark</b>	30
<b>Marks Out Of</b>	0	<b>Pass Mark</b>	0
<b>Timing</b>	S1 Week 8	<b>Learning Outcome</b>	1,2
<b>Duration in minutes</b>	0		
<b>Assessment Description</b> Evaluate students understanding of Javascript, HTML and CSS. The students will be asked to explain various snippets of HTML, CSS and Javascript code.			
<b>Assessment Type</b>	Continuous Assessment	<b>% of Total Mark</b>	70
<b>Marks Out Of</b>	0	<b>Pass Mark</b>	0
<b>Timing</b>	End-of-Semester	<b>Learning Outcome</b>	1,2,3
<b>Duration in minutes</b>	0		
<b>Assessment Description</b> Evaluating students application of their knowledge of rich webpage development, including forms validation using Javascript.			
No Project			
No Practical			
No Final Examination			
Reassessment Requirement			
<b>No repeat examination</b> <i>Reassessment of this module will be offered solely on the basis of coursework and a repeat examination will not be offered.</i>			
<b>Reassessment Description</b> Students will be required to build a website that integrates their knowledge of client-side web development. The project will focus on how well the student manages client side forms validation using Javascript. Students will be marked on both their code and their performance in an interview.			

## Module Workload

### Workload: Full Time On Campus

<i>Workload Type</i>	<i>Contact Type</i>	<i>Workload Description</i>	<i>Frequency</i>	<i>Average Weekly Learner Workload</i>	<i>Hours</i>
Practical	Contact	Two (1*2hr, 1*3hr) labwork sessions	Every Week	3.00	3
Directed Reading	Non Contact	Student exercises and reading	Every Week	3.00	3
Independent Study	Non Contact	Student reading / research	Every Week	2.00	2
Total Weekly Learner Workload					8.00
Total Weekly Contact Hours					3.00

### Workload: Part Time On Campus

<i>Workload Type</i>	<i>Contact Type</i>	<i>Workload Description</i>	<i>Frequency</i>	<i>Average Weekly Learner Workload</i>	<i>Hours</i>
Independent Study	Non Contact	Student research on various topics in the indicative content	Every Week	3.00	3
Practical	Contact	One three-hour labwork session	Every Week	3.00	3
Directed Reading	Non Contact	Student exercises and reading	Every Week	2.00	2
Total Weekly Learner Workload					8.00
Total Weekly Contact Hours					3.00

## Module Resources

### *Recommended Book Resources*

Anne Boehm Zak Ruvalcaba. (2018), Murach's HTML5 and CSS3, 4. Murach, USA, [ISBN: 978-1-943872].  
Joel Murach and Ray Harris. (2017), Murach's PHP and MySQL, 3. [ISBN: 9781943872381].

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

### *Other Resources*

Website, W3Schools. Tutorial webpages on HTML5, CSS3, JavaScript, jQuery, AJAX, PHP and MySQL,  
<http://w3schools.com/>