

H8WBD: Web Design and Client Side Scripting

Module Code:	H8WBD
Long Title	Web Design and Client Side Scripting APPROVED
Title	Web Design and Client Side Scripting
Module Level:	LEVEL 8
EQF Level:	6
EHEA Level:	First Cycle
Credits:	5
Module Coordinator:	Sam Cogan
Module Author:	Adriana Chis
Departments:	School of Computing
Specifications of the qualifications and experience required of staff	Master's degree in computing or cognate discipline.
Learning Outcomes	
<i>On successful completion of this module the learner will be able to:</i>	
#	Learning Outcome Description
LO1	Develop client side web applications in line with current and legacy web standards.
LO2	Utilise a web scripting language to manipulate and visualise data
LO3	Select and implement appropriate client side frameworks and toolkits
LO4	Select and implement appropriate deployment methodologies on a given project
LO5	Optimise written code in terms of both speed and for search engines
Dependencies	
Module Recommendations	
No recommendations listed	
Co-requisite Modules	
No Co-requisite modules listed	
Entry requirements	See section 4.2 Entry procedures and criteria for the programme including procedures recognition of prior learning

H8WBD: Web Design and Client Side Scripting

Module Content & Assessment			
Indicative Content			
What is Client Side Scripting Content/Style BehaviourHTML CSS JSServer vs client Key concerns History & future Cyclical design model			
Document Structure DOM Cross browser compatibility Separation of concerns Classes & IDs			
CSS The cascade Inheritance Overrides CSS resets Background images			
HTML Elements Images Links Lists Forms			
Pathing and Deployment Relative vs absolute paths Domain name and hosting Deployment methodologies			
Layout 1 Positioning Text layout CSS floats			
Layout 2 Responsive design Adaptive layout CSS media queries Layout frameworks			
JavaScript 1 What is behaviour Examples Variables Operators Default functions Output			
JavaScript 2 DOM manipulation Inspector Functions If statements			
Javascript 3 Loops Arrays Testing			
Webpage Optimisation Testing Image compression Redirects/http requests Caching Minification Content delivery			
Search Engine Optimisation Testing Analytics Meta tags Title tags Sitemaps			
Assessment Breakdown			%
Coursework			100.00%
Assessments			
Full Time			
Coursework			
Assessment Type:	Continuous Assessment	% of total:	40
Assessment Date:	n/a	Outcome addressed:	1,2,3,4,5
Non-Marked:	No		
Assessment Description: Flipped Classroom Assessment Students will be introduced to threshold concepts week to week by the use of videos and other external content. The students will watch these videos outside of classtime, and be assessed by the use of small, closed book quizzes in class time			
Assessment Type:	Project	% of total:	60
Assessment Date:	n/a	Outcome addressed:	3,4,5
Non-Marked:	No		
Assessment Description: Students will be required to complete a group based project and deploy a website that utilises a number of web frameworks			
No End of Module Assessment			
No Workplace Assessment			
Reassessment Requirement			
Coursework Only			
This module is reassessed solely on the basis of re-submitted coursework. There is no repeat written examination.			

H8WBD: Web Design and Client Side Scripting

Module Workload				
Module Target Workload Hours 0 Hours				
Workload: Full Time				
Workload Type	Workload Description	Hours	Frequency	Average Weekly Learner Workload
Lecture	No Description	24	Per Semester	2.00
Tutorial	No Description	12	Per Semester	1.00
Independent Learning Time	No Description	89	Per Semester	7.42
Total Weekly Contact Hours				3.00
Workload: Part Time				
Workload Type	Workload Description	Hours	Frequency	Average Weekly Learner Workload
Lecture	No Description	24	Per Semester	2.00
Tutorial	No Description	12	Per Semester	1.00
Independent Learning Time	No Description	72	Per Semester	6.00
Total Weekly Contact Hours				3.00

Module Resources

Recommended Book Resources

Jon Duckett. (2014), Web Design with HTML, CSS, JavaScript and jQuery Set, Wiley, p.1152, [ISBN: 1119038634].

Mark Myers. (2014), A Smarter Way to Learn JavaScript, CreateSpace, p.293, [ISBN: 1497408180].

This module does not have any article/paper resources

This module does not have any other resources

Discussion Note: