

No Co-requisite modules listed

No requirements listed

ZCOM H3202: Web and Cloud Development

		1X	University			
Module Title:			Web and Cloud Development			
Language of Instruction:		n:	English			
Credits:		10				
NFQ Level: 7		7				
Module Deli	Module Delivered In		No Programmes			
Teaching & Learning Strategies:			This module is delivered entirely within a laboratory setting. Learners are seated at their computers throughout the course delivery and are activity participating in class work throughout each scheduled session.			
Module Aim:			To provide students with a theoretical grounding and practical experience of developing applications for a managed networked environment, with a particular emphasis on web development technologies.			
Learning Ou	ıtcomes					
On successfi	ul completio	n of th	his module the learner should be able to:			
LO1	Deploy clie	ent-sic	de web applications.			
LO2	Design an	d build	d web-based server-side application programs.			
LO3	Integrate client-side web technologies with server-side web technologies.					
LO4	Integrate web applications with server-side database systems.		pplications with server-side database systems.			
LO5	Deploy and manage web applications in the cloud.					
Pre-requisit	e learning					
Module Rec This is prior l			ctical skill) that is recommended before enrolment in this module.			
No recomme	endations list	ted				
Incompatibl These are m		h hav	re learning outcomes that are too similar to the learning outcomes of this module.			
No incompat	ible modules	s liste	d			
Co-requisite	Modules					

RequirementsThis is prior learning (or a practical skill) that is mandatory before enrolment in this module is allowed.



ZCOM H3202: Web and Cloud Development

Module Content & Assessment

Indicative Content

**The Model-View-Controller Pattern. *The Web Development Infrastructure – client, server, content, protocol, client-side programming, server-side programming and database systems. *Static web sites with HTML. *Server-side programming technologies. *Client-side programming technologies. *Web Frameworks, Templating Systems, and Databases. *Dynamic web applications with server-side technologies. *Dynamic web applications with database integration. *Cloud development and deployment technologies

Assessment Breakdown	%	
Continuous Assessment	50.00%	
End of Module Formal Examination	50.00%	

Continuous Assessment					
Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date	
Other	Build a static web-site using HTML templating technologies. [LO1] Integrate JavaScript into a client-side web application. [LO1] Build a custom web framework-based server to host server-side applications. [LO2] Extend the custom web server to integrate with database technologies. [LO4] Deploy a web application to the cloud. [LO3, LO4, LO5]	1,2,3,4,5	50.00	n/a	

No Project	
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No Practical

End of Module Formal Examination					
Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date	
Formal Exam	No Description	1,2,3,4,5	50.00	End-of-Semester	

SETU Carlow Campus reserves the right to alter the nature and timings of assessment



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Module Workload

Workload: Full Time				
Workload Type	Frequency	Average Weekly Learner Workload		
Laboratory	20 Weeks per Stage	4.00		
Estimated Learner Hours	20 Weeks per Stage	4.00		
	Total Hours	160.00		