

No Co-requisite modules listed

No requirements listed

ZCOM H3202: Web and Cloud Development

University							
Module Title:			Web and Cloud Development				
Language of Instruction:		n:	English				
Credits:	Credits: 10						
NFQ Level: 7		7					
Module Deli	vered 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 client-side web applications.						
LO2	Design an	d build	d web-based server-side application programs.				
LO3	LO3 Integrate client-side we		side web technologies with server-side web technologies.				
LO4 Integrate web applications		veb a	pplications with server-side database systems.				
LO5	O5 Deploy and manage web applications in the cloud.						
Pre-requisite learning							
Module Recommendations This is prior learning (or a practical skill) that is recommended before enrolment in this module.							
No recommendations listed							
Incompatible Modules These are modules which have learning outcomes that are too similar to the learning outcomes of this module.							
No incompatible modules listed							
Co-requisite	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	ı	
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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