

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

No Co-requisite modules listed

No requirements listed

DEVL: Cloud Development

University University				
Module Title:		Cloud Development		
Language of Instruction:		English		
Credits:	5			
NFQ Level:	7			
Module Deli	ivered In	3 programme(s)		
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 practical experience of developing applications for a managed networked environment, with a particular emphasis on cloud development technologies targeted towards the software engineer.		
Learning Ou	utcomes			
On successful completion of this module the learner should be able to:				
LO1	Design, build, and deploy cloud-based server-side application programs.			
LO2	2 Integrate client-side web technologies with server-side cloud technologies.			
LO3	.03 Integrate applications with server-side, cloud-hosted database systems.			
Pre-requisit	e 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 Modules				



DEVL: 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		%	
	Project	100.00%	

No Continuous Assessment

Project					
Assessment Type			% of total	Assessment Date	
Project	Build a locally-hosted webapp.	1	20.00	n/a	
Project	Port and deploy locally-hosted webapp to a cloud development environment.	1	20.00	n/a	
Project	Extend the locally-hosted webapp to exploit database technology.	1,3	20.00	n/a	
Project	Deploy locally-hosted database-enabled webapp to a cloud development environment.	1,3	20.00	n/a	
Project	Built a full-stack cloud-hosted application, integrating client-side features with database-driven back-end technology.	1,2,3	20.00	n/a	

No Practical

No End of Module Formal Examination

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	12 Weeks per Stage	4.00	
Estimated Learner Hours	15 Weeks per Stage	5.13	
	Total Hours	125.00	

Module Delivered In

Programme Code	Programme	Semester	Delivery
CW_KWCCD_B	Bachelor of Science (Honours) in Creative Computing and Digital Innovation	5	Mandatory
CW_KCSOF_B	Bachelor of Science (Honours) in Software Development	5	Mandatory
CW_KCSOF_D	Bachelor of Science in Software Development	5	Mandatory