

# PROG: Web Programming and Databases 1

Module Title:			Web Programming and Databases 1			
Language of Instruction:		n:	English			
Credits: 5		5				
NFQ Level:		6				
Module Deliv	vered In		8 programme(s)			
Teaching & Learning Strategies:			There are two 1-hour lectures and four hours laboratory work per week. The laboratory sessions will provid students with the opportunity to work on practicing the programming material presented in lectures and any material presented during laboratory sessions. These supervised lab sessions will involve the use of appropriate programming tools and packages. The students will be expected to participate actively in lectures and lab sessions.			
Module Aim:			To have students produce Web applications using client side technologies. To introduce students to Database theory and ER modelling.			
Learning Ou	itcomes					
On successfu	ul completio	n of th	nis module the learner should be able to:			
LO1	Create an	intera	ctive programmed website with client side technologies			
LO2	Design a c	lataba	ase model in support of specific web application requirements.			
LO3	Have a ba	sic kn	owledge of how to develop dynamic websites with database integration			
Pre-requisite	e learning					
<i>Module Recommendations</i> This is prior learning (or a practical skill) that is recommended before enrolment in this module.						
No recomme	ndations list	ed				
<i>Incompatible Modules</i> 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						
No Co-requisite modules listed						
<b>Requirements</b> This is prior learning (or a practical skill) that is mandatory before enrolment in this module is allowed.						
No requirements listed						



## PROG: Web Programming and Databases 1

## Module Content & Assessment

### Indicative Content

Developing Dynamic client-side websites Developing Dynamic client-side websites using client side coding including HTML5, Javascript and CSS

Database Design Introduction to Database Design and ER Modelling.

Introduction to development of dynamic websites Introduction to the development of Dynamic Web Sites with Database Integration using PHP and MySQL.

Assessment Breakdown	%
Continuous Assessment	25.00%
Practical	40.00%
End of Module Formal Examination	35.00%

### Continuous Assessment

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Examination	Design an ER model for a specified enterprise scenario.	2	25.00	Week 7

### No Project

Practical				
Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Practical/Skills Evaluation	Work on the lab sheets provided weekly to practice applying concepts and techniques presented in lectures.	1,3	40.00	Every Week
End of Module Formal Examination				

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Formal Exam	This will be a practical exam that assesses all of the programming elements addressed in the Lectures and labs during the twelve weeks. It will be an open book exam.	1,3	35.00	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	
Lecture	12 Weeks per Stage	2.00	
Laboratory	12 Weeks per Stage	4.00	
Independent Learning	15 Weeks per Stage	3.53	
	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	3	Mandatory
CW_KCCYB_B	Bachelor of Science (Honours) in Cyber Crime and IT Security	3	Mandatory
CW_KCCIT_B	Bachelor of Science (Honours) in Information Technology Management	3	Mandatory
CW_KCSOF_B	Bachelor of Science (Honours) in Software Development	3	Mandatory
CW_KCCYB_D	Bachelor of Science in Cybercrime and IT Security	3	Mandatory
CW_KCCSY_D	Bachelor of Science in Information Technology Management	3	Mandatory
CW_KCSOF_D	Bachelor of Science in Software Development	3	Mandatory
сw_кссом_с	Higher Certificate in Science in Computing Programming	3	Mandatory