MODULE DESCRIPTOR

Module Title

Internet Based Programming

Reference	CM3006	Version	8
Created	October 2017	SCQF Level	SCQF 9
Approved	April 2005	SCQF Points	15
Amended	October 2017	ECTS Points	7.5

Aims of Module

To enable the student to explore the key concepts of internet systems development. To develop the students' skill in the practical design, development and management of internet systems.

Learning Outcomes for Module

On completion of this module, students are expected to be able to:

1	Design and implement a set of Web pages appropriate to a given objective.
2	Demonstrate proficiency with the individual technologies required in the construction of Web pages.
3	Develop dynamic client-side applications.

Indicative Module Content

Key concepts of internet systems including client-side scripting, CSS, HTML5 and javascript. Design and implementation of web based interactive clients involving dynamic user interface, Review of web design methodologies, tools and techniques. Review of integrated development environments for web development.

Module Delivery

Key concepts are introduced and illustrated through the medium of lectures. Laboratory sessions provide a series of exercises designed to develop proficiency in techniques essential to the development of web systems.

Indicative Student Workload	Full Time	Part Time
Contact Hours	36	N/A
Non-Contact Hours	114	N/A
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	150	N/A
Actual Placement hours for professional, statutory or regulatory body		

ASSESSMENT PLAN

If a major/minor model is used and box is ticked, % weightings below are indicative only.

Component 1

Type:	Coursework	Weighting:	100%	Outcomes Assessed:	1, 2, 3
Description:	A piece of coursework.				

MODULE PERFORMANCE DESCRIPTOR

Explanatory Text

The calculation of the overall grade for this module is based on 100% weighting for C1. An overall minimum grade D is required to pass the module.

Module Grade	Minimum Requirements to achieve Module Grade:
A	An A in C1
B	A B in C1
C	A C in C1
D	A D in C1
E	An E in C1
F	An F in C1
NS	Non-submission of work by published deadline or non-attendance for examination

Module Requirements

Prerequisites for Module	None, in addition to course entry requirements.
Corequisites for module	None.
Precluded Modules	None.

INDICATIVE BIBLIOGRAPHY

1	DUCKETT,J. 2011. HTML and CSS: Design and Build Websites. John Wiley & Sons.
2	DUCKETT,J. 2014. JavaScript and JQuery: Interactive Front-End Web Development. Wiley Publishing. Chicago.