

Module Title Internet Based Programming	Reference CM3006 SCQF SCQF Level 9 SCQF Points 15 ECTS Points 7.5
Keywords Internet, Intranet, World Wide Web, Web Programming, HTML, CSS, Client Side Scripting, Internet Protocols, Server Side Scripting	Created August 2002 Approved April 2005 Amended August 2007 Version No. 4

This Version is No Longer Current

The latest version of this module is available [here](#)

Prerequisites for Module

None, in addition to course entry requirements.

Corequisite Modules

None.

Precluded Modules

None.

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.

Indicative Student Workload

<i>Contact Hours</i>	Full Time
Lectures	24
Laboratories	24
Assessment	5

Directed Study

Directed Reading	30
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Private Study

Private Study	67
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Mode of 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.

Learning Outcomes for Module

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

- 1.Design and implement WWW pages appropriate to a given objective.
- 2.Demonstrate proficiency with the individual technologies required in the construction of internet pages.
- 3.Develop server-side applications.

Indicative Module Content

Concepts of internet development, historical and current. Business applications and methods. Construction of web sites, site design, page design, HTML, CSS, client side scripting, server side scripting.

Assessment Plan

	Learning Outcomes Assessed
Component 1	1,2,3

Component 1 - Coursework

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.