Module Title **Intranet Systems Development** **Keywords** intranet, world wide web, multi-tier client server, middleware, XML, web services	Reference	CM4003
	SCQF Level	SCQF 10
	SCQF Points	15
	ECTS Points	7.5
	Created	August 2002
	Approved	April 2005
	Amended	September 2012
	Version No.	4

This Version is No Longer Current

The latest version of this module is available

Prerequisites for Module

CM1015 Software Design and Development, CM2003 Dynamic Web Programming or equivalent.

Corequisite Modules

None.

Precluded Modules

None.

Aims of Module

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

Learning Outcomes for Module

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 intranet systems.

Assessment Plan

	Learning Outcomes Assessed
Component 1	1,2,3,4
Component 2	1,2,3

Component 2 - Coursework

Component 1 - This is a closed book examination.

Indicative Bibliography

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

1. Design and implement web content appropriate to a given objective.
2. Manage the development and maintenance of intranet systems.
3. Develop multi-tier client-server applications.
4. Demonstrate familiarity with the main intranet application types.

Indicative Module Content

XML, XSLT, DOM, multi-tier client-server technologies, internet protocols, middleware and web services.

Indicative Student Workload

Contact Hours	Full Time
Assessment	5
Laboratories	24
Lectures	12

Directed Study	
Directed reading	42

Private Study	
Private Study	67

1. DEITEL, H. M AND DEITEL, P. AND GOLDBERG A., 2004. Internet and World Wide Web: How to Program. 3rd ed. Prentice Hall.
2. WAGNER, W.P. AND HILKEN, R., 2003. Introduction to Applied XML Technologies in Business. Prentice Hall.
3. DEITEL H., DEITEL P., NIETO T., LIN, T., AND SADHU, P., 2001. XML: How to Program. Prentice Hall.
4. BATES, C., 2006. Web Programming: Building Internet Applications. Third Edition. Wiley.