Module Details

Long Title:	Information Systems Management APPROVED
Title:	Information Systems Management
Language of Instruction:	English

Module Code:	H8TM

Credits:	5

NFQ Level:	LEVEL 8

Field of Study:	Software and applications development and analysis

Valid From:	2015 (July 2015)

Module Delivered In	4 programme(s)

Module Coordinator:	Lisa Murphy

Module Author:	Lisa Murphy

Teaching and Learning Strategy:	• Lectures. • Laboratory sessions managing a prototype project. • Tutorials using case studies.

Learning Environment:	Learning will take place in a classroom/lab environment with access IT resources. Learners will have access to library resources, both physical and electronic and to faculty outside of the classroom where required. Module materials will be placed on Moodle, the College's virtual learning environment.

Module Description:	The module aims to: • Understand the expertise required for successful Information Systems Management that focuses on strategy development and long range planning. • Understand the management of both I.T infrastructure and software applications development. • To understand the need for strong financial and operational control when using technology in an organisation. • To critically explore the people management issues of relevance to IT Managers.

Learning Outcomes

On successful completion of this module the learner will be able to:

LO1	Understand the issues and challenges of IS/IT Management i.e. strategy, planning, resources , development and investment
LO2	Have an ability to measure IT investment and return on investments to justify expenditure to top-level management
LO3	Understand the key principles of control, asset protection and security
LO4	Have a detailed understanding of the strategic role of people, organisations, management systems and ITIL and Cobit frameworks
LO5	Have a detailed understanding of the role of the Chief Information/Technology Officer.

Pre-requisite learning

Module Recommendations
This is prior learning (or a practical skill) that is required before enrolment on this module. While the prior learning is expressed as named NCI module(s) it also allows for learning (in another module or modules) which is equivalent to the learning specified in the named module(s).

No recommendations listed

Requirements
This is prior learning (or a practical skill) that is mandatory before enrolment in this module is allowed. You may not enrol on this module if you have not acquired the learning specified in this section.

No requirements listed

Module Content & Assessment

Indicative Content

Managing in the Information Age (10%)
• Managing Information Technology. • Internet Based Business Systems. • IT Management Challenges. • Managing mature IT Organisations.

Developing the Organization's IT Strategy (20%)
• The importance of strategy for senior executives. • Integrating the strategic vision. • Value chain reconstruction for E-Business Organisation and Environment. • Financial and legal considerations. • Types of strategies (Stand alone, integrating business and functional strategies). • Strategy Development. • Process E-Business and Knowledge management strategies. • Using and maintaining strategies.

IT Planning (20%)
• Planning Strategic. • Tactical and Operational Plans. • Planning models for IT Managers. • Using critical success factors in planning. • Management Feedback mechanisms.

Infrastructure Management (10%)
• Defining the Overall IT Architecture. • An Enterprise Architecture Framework. • Service-Oriented Architecture. • Challenges of Application Development. • Application Project Management. • Traditional life cycle approach. • Risk analysis and reduction techniques. • Outsourcing I.T. applications.

Measuring IT Investment and Returns (20%)
• Accounting for IT Resources. • Recovering costs from client organisations. • Accounting methodologies (Profit/Cost centre). • Funding application development and maintenance. • Cost recovery in Production Operations. • Managers expectations of accounting systems. • Measuring IT Investment Returns.

IT Controls, Asset Protection and Security (10%)
• Business Control Principles. • Control Responsibilities. • Application Controls. • Network controls and security. • Controls for E-Business Applications.

The Chief Information Officer's Role (10%)
• The role of the Chief Information Officer. • Facilitating organisational change. • Critical Success Factors for CIOs. • People, Organisations and Management Systems. • People as enabling resources. • Essential people management skills.

Assessment Breakdown	%
Coursework	30.00%
End of Module Assessment	70.00%

Full Time

Coursework

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
CA 1 (0380)	Create a poster based on a company and carry out a SWOT/Pestal model/Balanced Scorecard and so on.	1,4	10.00	n/a
CA 2 (0390)	Create a report and write about contemporary Hardware and Software and carry out a security analysis on a company	1,4	20.00	n/a

End of Module Assessment

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Terminal Exam	End-of-Semester Final Examination	1,2,3,4,5	70.00	End-of-Semester

No Workplace Assessment

Reassessment Requirement

Repeat examination
Reassessment of this module will consist of a repeat examination. It is possible that there will also be a requirement to be reassessed in a coursework element.

Reassessment Description
Learners who fail this module will be required to sit a repeat module assessment where all learning outcomes will be examined.

NCIRL reserves the right to alter the nature and timings of assessment

Module Workload

Full Time hours per semester

WorkLoad Type	WorkLoad Description	Hours
Lecture	No Description	2
Tutorial	No Description	1
Independent Learning	No Description	7.5
	Total Hours	10.50

Part Time hours per semester

WorkLoad Type	WorkLoad Description	Hours
Lecture	No Description	2
Independent Learning	No Description	89
	Total Hours	91.00

Module Resources

Recommended Book Resources
Laudon, C. 2013, ***Management Information Systems: managing the digital firm***, **13th Ed., Pearson Harlow**
Supplementary Book Resources
Laudon, C. 2012, ***Essentials of Management Information Systems***, **10th Ed., Pearson Harlow**
This module does not have any article/paper resources
Other Resources
Website: McNurlin Companion Web Site*McNurlin Companion Web Site* http://www.prenhall.com/mcnurlin/ **Website: Institute for the Management of Information Systems***Institute for the Management of Information Systems* http://www.imis.org.uk/ **Website: Information Systems Management (ISM) Home Page***Information Systems Management (ISM) Home Page* http://www.ism-journal.com/

Module Delivered In

Programme Code	Programme Title
BSHTM	B.Sc. (Hons) in Technology Management (Approved)
BAHTM	BA (Hons) in Technology Management (Approved)
BAHTM	BA (Hons) in Technology Management (Pending Approval)
BSHBIS	BSc (Hons) in Business Information Systems (Approved)