

Liverpool John Moores University

Title: INFORMATION MANAGEMENT
Status: Definitive
Code: **6506CP** (103590)
Version Start Date: 01-08-2013

Owning School/Faculty: Arts, Professional and Social Studies
Teaching School/Faculty: Dublin Business School

Team	Leader
Alistair Beere	Y

Academic Level: FHEQ6
Credit Value: 24.00
Total Delivered Hours: 77.00
Total Learning Hours: 240
Private Study: 163

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	50.000
Tutorial	25.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Essay	AS1	Secondary research report and Presentation	40.0	
Exam	AS3	Examination	60.0	2.00

Aims

To introduce learners to the strategic management dimensions of the information function in today's organisations.

To examine the strategic information planning process and the models and methods associated with that process

To review the principal aspects of managing the information function.

To enable critical evaluation of the business and the technical issues which arise in

that context.

Learning Outcomes

After completing the module the student should be able to:

- 1 Understand and evaluate strategic applications of information systems and technology.
- 2 Explain the strategic planning process for information and evaluate approaches to the formulation of information strategy
- 3 Demonstrate a critical appreciation of the major issues that arise in the context of managing the information function, and informed insights into the wider dimensions of an information management policy.
- 4 Critically evaluate a range of information issues and recommend strategically viable solutions in a variety of business contexts.

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

	1	2	3	4
REPORT/PRESENTATION				
EXAM				

Outline Syllabus

1. Information as a Strategic Resource

The nature and use of management information. Data organisation issues. Problem of data fragmentation and isolation. Data warehousing and data mining concepts and usage patterns.

2. Information in the Competitive Environment

Evolution of information systems usage. Obtaining competitive advantage from Information Systems and Technology. IT and business improvement philosophies. Business process re-engineering. Continuous Process Improvement. IT and competitive forces. Knowledge management and its importance in the modern organisation.

3. Strategic Information Systems

The strategic role of information systems. Systems to support generic business strategies. Customer-focused systems. Inter-organisational systems.

4. Strategic Planning for Information Systems

Information strategy in the wider business context. Linking information strategy to business strategy. Generic information strategies. Components of an information strategy. Strategy formulation and implementation.

5. Information Value and IS Investment

IS cost dynamics. Budgeting approaches. Investment appraisal methods. Financing alternatives. Strategies for managing and allocating IS/IT costs.

6. Knowledge Management & Business Intelligence

Nature of knowledge management, knowledge capturing and modelling, Artificial

Intelligence, Natural Language Processing. Business performance management, KPI's, dashboards, emerging trends in business intelligence.

7. Cloud Computing

IT cloud deployment models, cloud architectures, cloud services, cloud components, cloud vs grid computing, cloud databases, cloud providers, cloud security, economics of the cloud and managing your outsourced cloud.

8. Information Security & Risk Management

Managing IT security. Risk analysis and risk management. Specifying and implementing controls. Contingency planning, disaster recovery and business continuity planning.

9. Managing Technological Change

Human factors in IS management. Positive and negative perceptions. Sponsoring change. Ethical issues. The onus on management to protect workers data rights, an employees right to privacy. Computer protection legislation.

10. E-Strategy and Management

Core e-commerce /e-business concepts, implementation and applications. How web 2.0 is changing through social media is changing the "traditional" e-commerce landscape through f-commerce, m-commerce, localisation and the potential of environmental commerce. How can organisations potentially analyse and identify market niches to aid competitive advantage in this fast changing space.

11. E-Commerce Legal & Ethical Issues

Jurisdictional Issues, Privacy in an online space, Data protection and retention, Online defamation, issues surrounding e-advertising & Spam, Distance selling & E-Commerce & electronic signatures. IT governance and ethical issues surrounding big data management.

Learning Activities

Lectures and tutorials.

References

Course Material	Book
Author	Galliers, R.D. & Leidner, D.E.E.
Publishing Year	2012
Title	Strategic Information Management
Subtitle	Challenges & Strategies in Managing Information Systems
Edition	3rd
Publisher	Routledge
ISBN	

Course Material	Book
Author	Boddy, D., Boonstra A. & Kennedy G.
Publishing Year	2009
Title	Managing Information Systems: Strategy and Organisation
Subtitle	
Edition	3rd
Publisher	Prentice Hall

ISBN	
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Course Material	Book
Author	Williams, B.
Publishing Year	2012
Title	The Economics of Cloud Computing
Subtitle	An overview for decision makers
Edition	1st
Publisher	Cisco Press
ISBN	

Course Material	Book
Author	Brewer, J. & Dittman, K.
Publishing Year	2013
Title	Methods of IT Project Management
Subtitle	
Edition	2nd
Publisher	Prentice-Hall
ISBN	

Course Material	Book
Author	Quinn, M.
Publishing Year	2012
Title	Ethics for the Information Age
Subtitle	
Edition	5th
Publisher	Pearson Education
ISBN	

Course Material	Book
Author	Turban, E. & King, D
Publishing Year	2012
Title	Electronic Commerce 2012
Subtitle	Managerial and Social Networks Perspectives
Edition	7th
Publisher	Prentice Hall
ISBN	

Notes

This module is designed to provide learners with an in-depth understanding of the strategic approach to the use of information systems in organisations. Learners are introduced to the use of information systems as a means of achieving and sustaining a competitive advantage and for improving efficiency and effectiveness in business processes and managerial decision-making. Learners will also gain exposure to emerging trends that organisations need to be aware of, from cloud computing to

ethical considerations to use and manipulation of consumer data.