BNM806 INFORMATION SYSTEMS MANAGEMENT

Academic Year 2013/14

Number of Aston Credits: 15

Number of ECTS Credits: 7.5

Staff Members Responsible for the Module:

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Availability: email for appointment
Or contact the Operation & Information Group Administrator, John Morley
ABS266, Extension: 3236

Pre-requisites for the Module:

None

Mode of Attendance:

On campus

Module Objectives and Learning Outcomes:

Today, information systems are an integral part of almost all business activities and careers. The focus of this module will be on the key components of information systems - people, processes and technology, and how these components can be integrated and managed to create competitive advantage. This module explores the issues and approaches in managing the information systems function in organizations and how the IS function integrates / supports / enables various types of organizational capabilities. It takes a senior management perspective in exploring the acquisition, development and implementation of plans and policies to achieve efficient and effective information systems. The ideas developed and cultivated in this module are intended to provide an enduring perspective that can help make sense of an increasingly globalized and technology intensive business environment.

Learning Outcomes:

Upon successful completion of the module students will be able to:

(a) Knowledge and Understanding

> Explain the people, processes and technology components of information systems.
> Understand the functions of IS and the impact of IS on organisational operations.
> Understand the various forms of globalisation and the role information systems has played in this evolution.
> Appraise how information systems are enabling new forms of commerce between individuals, organizations, and governments.

(b) Cognitive and Analytical skills

> Plan IS-related activities to maximise the business value of IS within and outside the company.
> Assess how businesses are using information systems for competitive advantage or competitive necessity.
> Evaluate the different options available for the acquisition of IS resources and capabilities.

(c) Key/Transferable Skills

> Present a business case for alignment of IS and business strategy in modern organizations, and address potential challenges that organisation may face when implementing an IS.
> Group work skills
> Presentation skills

(d) Subject Specific Skills

> Feel confident to address the issues and challenges associated with successfully incorporating IS into an organisation.

Module Content:

One or two session on each topic:

> Information Systems Components (people, processes and technology) and Management of the IS Function
> Aligning IS Strategy with Business Strategy, E-Business, E-Commerce and E-Government
> Management of IT Outsourcing and offshoring
> Managing Innovation with IS: Impact of IS on Organisations, Society, and Individuals
> Implementation of IS and risk management
> Technology for managing knowledge and collaboration in global teams

Corporate Connections:

Each session will incorporate the use of case study examples. Industry guest speakers who work in IS will contribute to at least one session.

International Dimensions:

Information systems are global in both their nature and their reach. Strategy and IS strategy are discussed in the context that any organisation may have customers in other countries and/or source some of its IS from other countries. Most of the sessions will emphasise the need to think globally when planning and managing IS.

Contribution of Research:

Staff teaching the module is active in research on outsourcing and offshoring of IT and business services, innovation, and the use of technology for managing knowledge in the global teams and organizations. This research will particularly provide input for sessions on management of outsourcing and offshoring, and technology for managing knowledge and collaboration in global teams.

Ethics, Responsibility & Sustainability:

The module will touch on issues related to ethics and responsibility in the context of IS/IT

Method of Teaching:

Lectures, video, group project work, Blackboard -Virtual Learning Environment.

Method of Assessment and Feedback:

> 10% group coursework – presenting a business case demonstrating alignment of IS and business strategy, to include a roadmap for implementation of IS.
> Group work skills
> Presentation skills

20% individual coursework – assessing the portfolio of IS that a particular organisation has

70% examination (2 hour).

Feedback on the presentations will be given by e-mail before the examination takes place. A summary of the students' performance overall will be posted on Blackboard after the marks have been approved by the Board of Examiners.

Learning Hours:

Pre-reading	25
Contact Hours:	27
Directed reading:	23
Private study and course work preparation:	25
Presentation and examination preparation:	50
Total	**150**

The following readings are subject to change. Students should not therefore purchase textbooks prior to commencing their course. If students wish to undertake background reading before starting the course, many of the chapters/readings are available in electronic form via on-line library catalogues and other resources.

Pre-reading and Essential Reading[1]:

Galliers, R D & Leidner, D E (Eds) (2009) Strategic Information Management: Challenges and Strategies in Managing Information Systems, 4th Edition, New York and Abingdon, Routledge.

Indicative Bibliography:

Oshri, I., Kotlarsky, J. and L.P. Willcocks (2011) "The Handbook of Global Outsourcing and Offshoring", 2nd edition Palgrave, London.

Ward J & Peppard J (2002), Strategic Planning for Information Systems, 3rd Edition, Chichester: John Wiley and Sons.

Pearlson K E & Saunders C S (2010) Managing and Using Information Systems: A Strategic Approach, 4th Edition, Chichester, John Wiley & Sons.

Turban E & Volonino L (2009) Information Technology for Management, 7th Edition, Chichester, John Wiley & Sons.

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[1] Pre-reading will include selected chapters from this book.