Module Guide

Information Systems Management

CSI_5_ISM

The School of Engineering

Level 5

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1.   MODULE DETAILS

Module Title:	Information Systems Management
Module Level:	5
Module Reference Number:	CSI_5_ISM
Credit Value:	20
Student Study Hours:	200
Contact Hours:	65
Private Study Hours:	135
Pre-requisite Learning (If applicable):	N/A
Co-requisite Modules (If applicable):	N/A
Course(s):	BSc IT/CS
Year and Semester	2019_20 Semester One
Module Coordinator:	Francis Babayemi
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Teaching Team & Contact Details	+44 (0)207 815 7417
(If applicable):	FW-212
Subject Area:	IT/CS
Summary of Assessment Method:	100% coursework
External Examiner appointed for module:	Dr Simon Polovina

2.   SHORT DESCRIPTION

The module will explore the use of information systems within different types of organisations and business area. This takes into account the difference in the requirements and operational needs. It will provide an introduction to organisational processes and information requirements, technological innovation, change management, ethics and the law. The module will also foster your ability to propose a solution and evaluate information system and its business value.

3.   AIMS OF THE MODULE

The module aims to help the students to identify computer-based systems that make business processes efficient and more transparent. The main focus of the module is on how we understand the potential of IS to support organisational activities and hence how we design these technologies to achieve these goals.

4.   LEARNING OUTCOMES

4.1   LO1: Knowledge and Understanding
Understand the role of computer-based IS and how they support the business processes within an organisation (Maps to BCS 2.2.1 a1-a9)

4.2   LO2 Intellectual Skills
Analyse organisational problems and engage in critical evaluation of IS effectiveness (Maps to BCS 2.2.1 a1-a9)

4.3   LO3 Practical Skills
Develop a proposal for an IS that effectively supports organisational processes and decision making (Maps to BCS 2.2.1 b1-b4)

4.4   LO4 Transferable Skills
Research, perform appropriate analysis and make recommendations (Maps to: BCS 2.2.1 c1-c2)

5.   ASSESSMENT OF THE MODULE

100% coursework, typically in the form of:

Break down

Coursework 1	Online in-class test (**Outcome**: LO1)	Marked 100 (weighted 30)
Coursework 2	Group project (**Outcome**: LO3 to LO4)	Marked 100 (weighted 60)
Coursework 3	Self reflection on module learning (**Outcome**: LO2)	Marked 100 (weighted 10)
	Total mark	**100%**

Summative Assessment.
Coursework: Expected to be an individual report containing case based critical analysis of different ISs found in different organisations/functional areas. Students are likely to be also assessed using a group coursework, where students identify functional areas' information requirements and how computer-based IS can be used to improve the efficiency of the processes (maps to LO1-LO4)

Formative Assessment
Skills for the summative assessment will be embedded throughout formative opportunities in Lectures and Workshops. Formative assessment will take different forms, such as:

- interactive quizzes
- think-pair-share concept and class discussions
- verbal feedback on tutorial activities
- observation and questioning to provide instant feedback as the student takes part in learning activities

6.   FEEDBACK

Feedback will normally be given to students 15 working days after the final submission of an assignment or as advised by their module leader.

7.   INTRODUCTION TO STUDYING THE MODULE

7.1   Overview of the Main Content

The module will cover the following topics:
- Overview of the module: introduction to key concepts and terminology
- Organisational structure
- Management roles and information requirements
- Decision-making and information systems strategy
- Managing change driven by IS/IT
- IS/IT Innovation strategy
- IS support for human resource management
- IS support for finance
- Choices of IS acquisition
- Evaluation techniques
- Legal and ethical issues

7.2   Overview of Types of Classes

Classes will consist of a mixture of interactive lectures and seminars. A highly student-centred, experiential approach will be adopted that will encourage students to identify and find solutions to management problems. Lectures will last for two hours. Seminars where students will be expected to collaborate and support one another will last two hours

7.3   Importance of Student Self-Managed Learning Time

Student responsibility in the learning and development process will be emphasised. Students are required to undertake directed self-study and prepare solutions/discussions to questions relative to

various topic areas. Students will be encouraged to identify for themselves particular problems of difficulty and to use seminar discussions, where appropriate, for the resolution of these. Students must regularly access the Moodle site for this module. They should download the class/lecture material from the Moodle site, and do the recommended reading, before each lecture/class.

Where appropriate, students are also expected to download the relevant seminar questions and study them in advance of each seminar, in order to derive maximum benefit from seminar time. The programme of teaching, learning and assessment gives guidance on the textbook reading required for each week, the purpose of which is to encourage further reading both on and around the topic.

7.4   Employability
By studying this module you will have an understanding of different ways in which computer-based IS can support organisational processes and decision making. As a future IT professional you will be designing and developing IS for managers, the module will help to prepare you for your future role as systems and business analysts.

8.   THE PROGRAMME OF TEACHING, LEARNING AND ASSESSMENT

SEMESTER 2			
WEEK	**TOPIC**	**COURSEWORK DEADLINE**	**READING (CORE TEXT)**
			Oz | Laudon
1	Overview of the module: Introduction to Information Systems **Coursework 1 Self reflection on module learning**	**10 Jan 2020**	1
2	IS Analysis and Design		2
3	Strategic use of ISs in Business		2, 3
4	Business Hardware **Coursework 2 Group work assessment**	**10 Jan 2020**	1, 3, 4, 5
5	Managing change driven by IT/ISs innovation		9
6	Marketing function and IT system		8, 9,10
7	Support for Human Resources Management		3 (pg 88-91)
8	Web-Enabled Enterprise		8
9	Challenges of global information systems		9
10	Decision support and expert systems		10
11	Business intelligence and knowledge management	**Practice Test**	11
12	Systems planning and development **Coursework 3 In-class knowledge-based test**	**13 Dec 2019**	12
13	Choice in systems acquisition Risks, Security, and Disaster Recovery	**Presentations 09 Jan 2020**	**CW2 Submission 10 Jan 2020**

Week 1-13	**Tutorial sessions will be held on Fridays.** Seminars where students will be expected to collaborate and support one another will last two hours	Workshops based on lectures	Use the core text to familiarise yourself with the subject matter

9. STUDENT EVALUATION

This is a new module with no past history.

10. LEARNING RESOURCES

READING LIST

Core texts:
- Oz, E. and Sousa, K. J. (2015), Management Information Systems, 7th edition, Cengage Learning, Stamford.
- Laudon, J. P. and Laudon, K. C (2015), Management Information Systems: managing the digital firm, 14th Edition, Boston: Pearson

Optional texts:
- Johnson, G., Scholes, K, Whittington, R, Angwin, D., and Regnér, P. (2014), Exploring strategy: text and cases, 10th ed., Harlow: Pearson
- Mullins, L.J. (2013) Management and organisational behaviour, 10th ed., Harlow: Pearson Education Burnes, B., (2014), Managing change, Harlow, Pearson Education
- Mintzberg, H. (2011) Managing, Harlow, Pearson Education
- Tidd, J. and Tidd, J. (2013) Managing innovation: integrating technological, market and organisational change, Chicester, John Wiley and Sons.

Journals: The following journals will have relevant articles:
- *Information Systems Journal*
- *MIS Quarterly*
- *Journal of Management Information Systems*
- *Harvard Business Review*
- *MIT Sloan Business Review*