

Module Title	Information Systems
Level	5
Reference No.	CSI_5_ISM
Credit Value	20 Credits
Student Study Hours	Total: 200 Contact hours: 52 Student managed learning hours: 148
Pre-requisites	None
Co-requisites	None
Excluded combinations	None
Module co-ordinator	TBC
Division	Division of Computer Science and Informatics
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 of 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.
Aims	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.
Learning Outcomes	<p>LO1: Knowledge and Understanding</p> <ul style="list-style-type: none"> 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) <p>LO2: Intellectual Skills</p> <ul style="list-style-type: none"> Analyse organisational problems and engage in critical evaluation of IS effectiveness (Maps to: BCS 2.2.1 a1-a9) <p>LO3: Practical Skills</p> <ul style="list-style-type: none"> Develop a proposal for an IS that effectively supports organisational processes and decision making (Maps to: BCS 2.2.1 b1-b4) <p>LO4: Transferable Skills</p> <ul style="list-style-type: none"> Research, perform appropriate analysis and make recommendations (Maps to: BCS 2.2.1 c1-c2)
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.
Teaching and learning pattern	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 organisational problems.

	Lectures will last for two hours. Seminars where students will be expected to collaborate and support one another will last three hours.
Indicative content	<ul style="list-style-type: none"> • 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 support for marketing • IS support for human resource management • IS support for finance • Choices of IS acquisition • Evaluation techniques • Legal and ethical issues
Assessment <i>Elements & weightings</i>	<p>COURSEWORK 100%</p> <p>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 efficiency of the processes. (LO1-LO4))</p> <p>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:</p> <ul style="list-style-type: none"> • 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
Indicative Sources <i>(Reading lists)</i>	<p>Core:</p> <ul style="list-style-type: none"> • Laudon, K. C., and Jane P. Laudon. (2019) Management Information Systems: Managing the Digital Firm, Global Edition, Pearson Education, Limited, 2019. ProQuest Ebook Central, https://ebookcentral.proquest.com/lib/lsbuuk/detail.action?docID=6399566. <p>Optional:</p> <ul style="list-style-type: none"> • Johnson, G., Scholes, K and Whittington, R, (2013), Exploring strategy: text and cases, 10th ed., Prentice Hall • 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, Chichester, John Wiley and Sons. <p>Journals: The following journals will have relevant articles:</p> <ul style="list-style-type: none"> • Information Systems Journal • MIS Quarterly • Journal of Management Information Systems