INFO: Information Systems

Module Title:	Information Systems
Language of Instruction:	English

Credits:	10

NFQ Level:	7

Module Delivered In	2 programme(s)

Teaching & Learning Strategies:	Lectures - communication of knowledge and ideas from the lecturer to the student. Problem Solving Exercises - student will work individually or as part of a team to resolve various computer application tasks/scenarios. Class Discussion/Debate - Students will be encouraged to actively participate in the class sessions which will develop their analytical and communication skills. E-Learning - It is envisaged that the module will be supported with on-line learning materials. Self-Direct Independent Learning - the emphasis on independent learning will develop a strong and autonomous work and learning practices. Group Work - students will develop strong team skills in group work projects. Project Work - Students will produce a professional standard project by applying the knowledge, skills and competencies learned during the course.

Module Aim:	The aim of this course is to introduce the student to Information Systems and their role in supporting strategies and tactics of a business in its endeavour to achieve a high level of success. Through exposure to up-to-date theory and practical examples, students will gain an understanding of the business use of Information Systems. These include global environment, Information Systems and the modern organisation, e-business, Information Systems that support organisations, Information Systems and decision making, planning for, acquiring and maintaining Information Systems and protecting information assets. In addition, students will learn a range of advanced features of Excel and an introduction to MS Access.

Learning Outcomes	
On successful completion of this module the learner should be able to:	
LO1	Evaluate a range of issues relating to Information Systems in organisations, including the effect of the digital economy on organisations and issues relating to protecting information assets
LO2	Evaluate the many different types of Information Systems used by organisations at different levels and functional areas of the organisation
LO3	Evaluate the processes and identify the issues relating to acquiring Information Systems
LO4	Demonstrate awareness of new and emerging technologies
LO5	Demonstrate ability to apply advanced excel features to workplace problems; to create and manage a relational database

Pre-requisite learning
Module Recommendations *This is prior learning (or a practical skill) that is recommended before enrolment in this module.*
No recommendations listed
Incompatible Modules *These are modules which have learning outcomes that are too similar to the learning outcomes of this module.*
No incompatible modules listed
Co-requisite Modules
No Co-requisite modules listed
Requirements *This is prior learning (or a practical skill) that is mandatory before enrolment in this module is allowed.*
Computer applications

Module Content & Assessment

Indicative Content
Introduction to Information Systems Understanding what an Information System is
Organisational Strategy, Competitive Advantage and Information Systems Business processes and business process management; Information Systems: concepts and definitions; The global web-based platform; Business Pressures, organisational responses and IT support
Information Systems that support organisations Transaction Processing Systems; Functional Area Information Systems; Enterprise Resource Planning Systems ; Supply Chain Management Systems; Customer Relationship Management
Business Analytics Managers and decision making; Business Intelligence; Data Visualisation techniques; Intelligent Systems
Electronic Commerce: Applications and issues Overview of E-Business and E-Commerce; Business-to-Consumer electronic commerce; Business-to-Business electronic commerce; Electronic payments; Ethical and legal issues in E-Business
Acquiring Information Systems Planning for and justifying IT applications; Strategies for acquiring IT applications; The Traditional Systems Development Life Cycle; Vendor and software selection
Protecting your information assets Introduction; Behavioural actions; computer based actions; Data Protection legislation
New and upcoming technologies Big Data, Cloud Computing, Artificial Intelligence, the Internet of Things, 5G, Data Lakes, Commercial imaging, Fintech, Conversational commerce
Stage 2 Excel Functions; Goalseek; Scenario manager; Pivot tables and charts; Auditing; IF statements; Vlookup and Hlookup; Data validation
MS Access An introduction to MS Access; Tables; Queries; Forms; Reports; Importing; Exporting

Assessment Breakdown	%
Continuous Assessment	40.00%
End of Module Formal Examination	60.00%

Continuous Assessment

Assessment Type	*Assessment Description*	*Outcome addressed*	*% of total*	*Assessment Date*
Project	Group project and presentation	1,2,3,4	20.00	Week 10
Practical/Skills Evaluation	Demonstrate ability to independently apply advanced excel features	5	12.00	Week 8
Practical/Skills Evaluation	Demonstrate ability to independently apply the features learned in MS Access	5	8.00	Week 15

No Project

No Practical

End of Module Formal Examination

Assessment Type	*Assessment Description*	*Outcome addressed*	*% of total*	*Assessment Date*
Formal Exam	End-of-Semester Final Examination	1,2,3,4	60.00	End-of-Semester

SETU Carlow Campus reserves the right to alter the nature and timings of assessment

Module Workload

Workload: Full Time		
Workload Type	*Frequency*	*Average Weekly Learner Workload*
Lecture	Every Week	4.00
Laboratory	Every Week	2.00
Independent Learning	Every Week	12.00
	Total Hours	18.00

Workload: Part Time		
Workload Type	*Frequency*	*Average Weekly Learner Workload*
Lecture	Every Week	3.00
Independent Learning Time	Every Week	15.00
	Total Hours	18.00

Module Delivered In

Programme Code	Programme	Semester	Delivery
CW_BBACT_B	Bachelor of Arts (Honours) in Accounting	3	Mandatory
CW_BBACF_B	Bachelor of Business (Honours) in Accounting and Finance	5	Mandatory