

INFO: Information Systems

Module Title	:		Information Systems
Language of	Instructio	n:	English
Credits:		10	
NFQ Level:		7	
NI Q Level.		1	
Module Deliv	vered In		2 programme(s)
Teaching & I Strategies:	tasks/scenarios. Class Discussion/Debate - Students will be encouraged to actively participate in the cla 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 emphase		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
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 Ou	tcomes		
		on of th	his module the learner should be able to:
LO1			e of issues relating to Information Systems in organisations, including the effect of the digital economy on nd issues relating to protecting information assets
LO2	Evaluate t organisati		any different types of Information Systems used by organisations at different levels and functional areas of the
LO3	Evaluate t	the pro	ocesses and identify the issues relating to acquiring Information Systems
LO4	Demonstr	ate av	vareness of new and emerging technologies
LO5	Demonstr	ate ab	ility to apply advanced excel features to workplace problems; to create and manage a relational database
Pre-requisite	elearning		
Module Reco This is prior le			ctical skill) that is recommended before enrolment in this module.
No recomme	ndations lis	ted	
Incompatible These are mo		ch hav	e learning outcomes that are too similar to the learning outcomes of this module.
No incompati	ble module	s liste	d
Co-requisite	Modules		
No Co-requis	ite modules	s listed	d
Requiremen This is prior le		a prac	ctical skill) that is mandatory before enrolment in this module is allowed.
Computer ap	plications		



INFO: Information Systems

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 Assessme	nt			
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 Ex	amination			
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



INFO: Information Systems

Module Workload Workload: Full Time Average Weekly Learner Workload Workload Type Frequency Every Week Lecture 4.00 Every Week 2.00 Laboratory Every Week Independent Learning 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