

Module Title:	Information Systems and Digital Strategy		
Language of Instruction:	English		
Credits:	5		
NFQ Level:	8		
Module Delivered In	1 programme(s)		
Teaching & Learning Strategies:	Traditional theory classes incorporating class interaction. Workshop style classes incorporating the evaluation and synthesis of emerging frameworks, concepts and case studies.		
Module Aim:	To provide the student with an in-depth analysis of strategic IS/IT planning and IS portfolio planning/implementation within a modern enterprise with a strong emphasis on alignment between Business Strategies and Digital Strategies .		
Learning Outcomes			
On successful completion of this module the learner should be able to:			
LO1	Evaluate and synthesis the current and emerging concepts that drive the implementation of information systems for competitive advantage.		
LO2	Evaluate and compare current and emerging concepts/frameworks in terms of aligning business strategies digital strategies		
Pre-requisite learning			
Module Recommendations			
This is prior learning (or a practical skill) that is recommended before enrolment in this module.			
4434	MGMT H3203	Business Management	
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.			
3rd year Information Systems Engineering or equivalent			

Module Content & Assessment

Indicative Content
Strategic Information Systems Strategic role of information systems; evolution of systems to support competitive positioning of an organisation. Strategic informations systems and value chain analysis. Internal and external value chains and their impact on IS/IT. Adopting a process-based perspective to IS development. Problems with functional systems. The role of BPR in systems development. Systematic vs clean-sheet approaches to systems reengineering. The evolution of a cross-functional process-based approach and how it has resulted in the demand for ERP Systems. How value systems have have resulted in ERP II and ERP III.
Strategic Planning for Information Systems Alignment of information digital (IS & IT) strategy and business strategy; establishing a strategic information systems planning process; barriers to aligning information systems strategy with business strategies; planning frameworks and approaches.
System Implementation Strategies Current frameworks and techniques for strategic information systems development and implementation.
Case Studies Case studies in strategic information systems implementation.
Current/Emerging Issues Current/emerging issues/concepts in terms of information systems for strategic advantage e.g. informing, servitization, diffusion of innovations, push vs pull models of innovating with IS/IT.

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
Examination	Assessment on concepts that drive the exploitation of information systems for competitive advantage	1	20.00	Week 7
Examination	Assessment on concepts/frameworks that incorporate the alignment of business and digital (IS/IT) strategies.	2	20.00	Week 12

No Project

No Practical

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

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

Module Workload

Workload: Full Time		
<i>Workload Type</i>	<i>Frequency</i>	<i>Average Weekly Learner Workload</i>
Lecture	12 Weeks per Stage	3.00
Estimated Learner Hours	15 Weeks per Stage	5.93
Total Hours		125.00

Module Delivered In

Programme Code	Programme	Semester	Delivery
CW_KCCIT_B	Bachelor of Science (Honours) in Information Technology Management	8	Mandatory