Module Descriptor

Title	Strategic Management and Information Systems		
Session	2025/26	**Status**	Published
Code	COMP10003	**SCQF Level**	10
Credit Points	20	**ECTS (European Credit Transfer Scheme)**	10
School	**Computing, Engineering and Physical Sciences**		
Module Co-ordinator	Costas Iliopoulos		

Summary of Module

This module develops the student's knowledge of strategic management within the context of IT systems development and deployment. Theory is related to practical examples to help underpin theoretical knowledge and develop in the student the capability of formulating a coherent and relevant strategy for the business of today.

The module starts by reviewing developments in strategic planning and management and links them with developments in computing and the deployment of IT-based systems within business.

As the student develops their knowledge and understanding of the subject, more recent approaches within the field of strategy will be introduced through lectures, case studies and tutorial materials. The deployment of of IT-based systems in tune with the business strategy will be given as a means of providing a current context of value to the student.

Undertaking this module will help the student develop a range of graduate attributes including: critical & analytical thinking, problem solving, research skills, collaborating and effective communication.

Module Delivery Method	**On-Campus**[1] ☒	**Hybrid**[2] ☐	**Online**[3] ☐	**Work -Based Learning**[4] ☐
Campuses for Module Delivery	☐ Ayr ☐ Dumfries	☐ Lanarkshire ☐ London	☐ Online / Distance Learning	

[1] Where contact hours are synchronous/ live and take place fully on campus. Campus-based learning is focused on providing an interactive learning experience supported by a range of digitally-enabled asynchronous learning opportunities including learning materials, resources, and opportunities provided via the virtual learning environment. On-campus contact hours will be clearly articulated to students.

[2] The module includes a combination of synchronous/ live on-campus and online learning events. These will be supported by a range of digitally-enabled asynchronous learning opportunities including learning materials, resources, and opportunities provided via the virtual learning environment. On-campus and online contact hours will be clearly articulated to students.

[3] Where all learning is solely delivered by web-based or internet-based technologies and the participants can engage in all learning activities through these means. All required contact hours will be clearly articulated to students.

[4] Learning activities where the main location for the learning experience is in the workplace. All required contact hours, whether online or on campus, will be clearly articulated to students

			☒ Paisley		☐ Other (specify)	
Terms for Module Delivery	Term 1	☐	Term 2	☒	Term 3	☐
Long-thin Delivery over more than one Term	Term 1 – Term 2	☐	Term 2 – Term 3	☐	Term 3 – Term 1	☐

Learning Outcomes	
L1	Develop strategies for the planning, development and implementation of IT-based systems aligned with the business strategy.
L2	Apply methodologies and techniques used in traditional and modern strategic planning, formulation and implementation.
L3	N/A
L4	N/A
L5	N/A

Employability Skills and Personal Development Planning (PDP) Skills	
SCQF Headings	**During completion of this module, there will be an opportunity to achieve core skills in:**
Knowledge and Understanding (K and U)	**SCQF 10** Demonstrate knowledge and understanding of the principal approaches and techniques to strategic planning and be able to integrate this knowledge within a business context employing IT- based systems.
Practice: Applied Knowledge and Understanding	**SCQF 10** Apply specific current and general skills and knowledge within the domain of strategic management and IS.
Generic Cognitive skills	**SCQF 10** Apply judgement in the definition and implementation of strategic planning within the domain of business strategy and IT- based systems development and deployment.
Communication, ICT and Numeracy Skills	**SCQF 10** Use informal presentations to a peer group audience and purposefully reflect on feedback as befitting the systems practitioner.
Autonomy, Accountability and Working with Others	**SCQF 10** Exercise initiative and self-management in the completion of the coursework.

Prerequisites	**Module Code**	**Module Title**
	Other	
Co-requisites	**Module Code**	**Module Title**

Learning and Teaching

In line with current learning and teaching principles, a 20-credit module includes 200 learning hours, normally including a minimum of 36 contact hours and maximum of 48 contact hours.

Learning Activities During completion of this module, the learning activities undertaken to achieve the module learning outcomes are stated below:	**Student Learning Hours** (Note: Learning hours include both contact hours and hours spent on other learning activities)
Lecture / Core Content Delivery	20
Tutorial / Synchronous Support Activity	24
Independent Study	156
Please select	
Please select	
Please select	
TOTAL	200

Indicative Resources

The following materials form essential underpinning for the module content and ultimately for the learning outcomes:

FT Guide to Strategy: How to Create, Pursue and Deliver a Winning Strategy (The FT Guides), Richard Koch, Fourth edition, 2011.

Grant K., Hackney R. and Edgar D., Strategic Information Systems Management, Course Technology, 2010.

Hitt, Michael A; Ireland, R Daune; and Hoskisson, Robert E (2017) Strategic Management – Competitiveness & Globalization: Concepts and Cases, Boston, Cengage Learning.

Pearlson, Keri E.; Saunders Carol S (2015) Managing & Using Information Systems: A Strategic Approach (2015), West Sussex: Wiley

Peppard, Joe and Ward, John (2016) The Strategic Management of Information Systems: Building a Digital Strategy, West Sussex: Wiley.

Rothaermel, Frank T (2017) Strategic Management, NY: McGraw Hill. Selection of journal articles and conference papers.

Miscellaneous journal articles and conference papers.

(N.B. Although reading lists should include current publications, students are advised (particularly for material marked with an asterisk*) to wait until the start of session for confirmation of the most up-to-date material)

Attendance and Engagement Requirements

In line with the Student Attendance and Engagement Procedure, Students are academically engaged if they are regularly attending and participating in timetabled on-campus and online teaching sessions, asynchronous online learning activities, course-related learning resources, and complete assessments and submit these on time. **For the purposes of this module, academic engagement equates to the following:** The School of Computing, Engineering and Physical Sciences considers attendance and engagement to mean a commitment to attending, and engaging in, timetabled sessions. You will scan your attendance via the scanners each time you are on-campus and you will login to the VLE several times per week. Where you are unable to attend a timetabled learning session due to illness or other circumstance, you should notify the Programme Leader that you cannot attend. Across the School an 80% attendance threshold is set. If you fall below this, you will be referred to the Student Success Team to see how we can best support your studies.

Equality and Diversity
The University's Equality, Diversity and Human Rights Procedure can be accessed at the following link: UWS Equality, Diversity and Human Rights Code. Aligned with the University's commitment to equality and diversity, this module supports equality of opportunity for students from all backgrounds and learning needs. Using the VLE, material will be presented electronically in formats that allow flexible access and manipulation of content. This module complies with University regulations and guidance on inclusive learning and teaching practice. Specialist assistive equipment, support provision and adjustment to assessment practice in accordance with the University's policies and regulations.
(N.B. Every effort will be made by the University to accommodate any equality and diversity issues brought to the attention of the School)

Supplemental Information

Divisional Programme Board	**Computing**
Overall Assessment Results	☐ **Pass / Fail** ☒ **Graded**
Module Eligible for Compensation	☐ **Yes** ☒ **No** **If this module is eligible for compensation, there may be cases where compensation is not permitted due to programme accreditation requirements. Please check the associated programme specification for details.**
School Assessment Board	Business & Applied Computing
Moderator	Tony Gurney
External Examiner	V Sharma
Accreditation Details	
Module Appears in CPD catalogue	☐ **Yes** ☒ **No**
Changes / Version Number	2.11

Assessment (also refer to Assessment Outcomes Grids below)
Assessment 1
Written Assignment(80%)

Assessment 2
Critical Self Reflection (20%)
Assessment 3
(N.B. (i) Assessment Outcomes Grids for the module (one for each component) can be found below which clearly demonstrate how the learning outcomes of the module will be assessed. (ii) An indicative schedule listing approximate times within the academic calendar when assessment is likely to feature will be provided within the Student Module Handbook.)

Component 1							
Assessment Type	**LO1**	**LO2**	**LO3**	**LO4**	**LO5**	**Weighting of Assessment Element (%)**	**Timetabled Contact Hours**
Case study	☒	☒	☐	☐	☐	80	

Component 2							
Assessment Type	**LO1**	**LO2**	**LO3**	**LO4**	**LO5**	**Weighting of Assessment Element (%)**	**Timetabled Contact Hours**
Workbook/ Laboratory notebook/ Diary/ Training log/ Learning log	☒	☒	☐	☐	☐	20	

Component 3							
Assessment Type	**LO1**	**LO2**	**LO3**	**LO4**	**LO5**	**Weighting of Assessment Element (%)**	**Timetabled Contact Hours**
	☐	☐	☐	☐	☐		
Combined total for all components						100%	hours

Change Control

What	**When**	**Who**
Attendance and Engagement and Equality and Diversity Statements	21/01/25	R Moffat