

Macao Polytechnic Institute
School of Applied Sciences
Bachelor of Science in Computing
Module Outline
Academic Year 2021/2022 Semester 2

Learning Module	Strategic Planning for Information Systems			Class Code	COMP423
Pre-requisite	Nil				
Medium of Instruction	English			Credit	3
Lecture hours	45 hrs	Lab/Practice Hours	0 hrs	Total Hours	45 hrs
Instructor	Dr. HY KAN, Stanley		E-mail:	hykan@ipm.edu.mo	
Office	Wui Chi N46B		Telephone:	8599-6883	

Description

This course aims to provide students with an overall understanding of the strategic role of information systems, and the strategic planning and management of them within a modern organization. Within this scope the emphasis is on student knowledge of the range of established strategic analysis and planning tools and how they can be applied.

Learning Outcomes

After completing the learning module, students will be able to:

1. Demonstrate conceptual skills integrating previously learned aspects of management, information systems and electronic commerce (EA4p);
2. Analyze an organization's strengths, weaknesses, opportunities and threats in terms of IT and business capabilities (EA1p);
3. Develop and present a practical strategic plan, as a group project, under real life scenarios (D1p, D2p, D3p, D6p, EP9p);
4. Summarize and explore technical, and organizational issues in IS planning & management. (ET2p, ET3p).

Content

1. Introduction (7.5 hours)
 - 1.1 Communicating with business managers
 - 1.2 Building a strong relationship with the business
 - 1.3 Developing IT professionalism
2. IT Governance (16.5 hours)
 - 2.1 Different types of information systems
 - 2.2 Business IS/IT alignment
 - 2.3 Strategic IS/IM in context
 - 2.4 Creating and evolving a technology roadmap
 - 2.5 IT Sourcing
3. Information Enabled Innovation (9 hours)
 - 3.1 Enabling collaboration with IT
 - 3.2 Social computing: How should it be managed?
4. IT Capability Management (12 hours)
 - 4.1 Developing IT capabilities
 - 4.2 Building better IT leaders from the bottom up
 - 4.3 Managing IT-based risk
 - 4.4 Organizational change, strategic IS/IT led change

Teaching Method

Lectures, materials, case & group discussions.

Attendance

Attendance requirements are governed by the “Academic Regulations Governing Bachelor’s Degree Programmes of Macao Polytechnic Institute”. Students who do not meet the attendance requirements for the course will not be permitted to sit the final and re-sit examination and shall be awarded an ‘F’ grade.

Assessment

This course is graded on a 100 point scale, with 100 being the highest possible score and 50 the pass score.

Item	Description	AHEP3 LO	Percentage
1. Exercise	Understanding of class materials	EA4p, EA1p	15%
2. Group Project	Knowledge assessment	EA4p, D1p, D2p, D3p, D6p, ET2p, ET3p, EP9p	25%
3. Test	Knowledge assessment	ET2p, ET3p, EA1p	20%
4. Examination	3-hour written examination	ET2p, ET3p, EA1p	40%
Total Percentage:			100%

Students with an overall score of less than 35 in the coursework must take the re-sit examination even if the overall score for the course is 50 or above.

Students with a score of less than 35 in the final examination must take the re-sit examination even if the overall score for the course is 50 or above.

Students with an overall final grade of less than 35 are NOT allowed to take the re-sit examination.

Teaching Material

Textbook

1. Grant K, Hackney R. Edgar D. (2010). *Strategic Information Systems Management*. Cengage Learning.

Reference (Reference books)

1. McKeen J. & Smith H. (2012). *IT Strategy: Issues and Practices (2nd Edition)*. Prentice Hall.
2. Dhillon, Gurpreet. (2014). *Strategic Information Systems Planning: Readings and Cases*. Semantic Books
3. Ward, J., Peppard, J. (2002), *Strategic Planning for Information Systems (3rd Edition)*. John Wiley and Sons.
4. Ireland, Thomas S., (2012). *How to Write a Great Information Technology Strategic Plan - and Thrill your CEO*. CreateSpace Independent Publishing Platform
5. Lientz, Bennet P., (2010). *Breakthrough Strategic IT and Process Planning*. World Scientific