Course Title	Business Information Systems
Course Code	ACSC105
Course Type	Compulsory
Level	BSc (Level 1)
Year / Semester	2nd / 4th (Spring)
Teacher's Name	Dr Achilleas Achilleos, Mr. Michalis Skoullos

ECTS	6	Lectures / week	3	Laboratories/week	0

Course Purpose	The course considers the concepts of modern Information systems. Teaches the theory and of various tools used within organizations for data extraction and utilization. Analyses existing processes and creates new ones in cases where improvement is necessary. Indicates the business aspects of new social media and how they affect they way business is conducted in the new era.
Learning Outcomes	By the end of the course, the students should be able to: 1. Explain the role of different types of information systems for different business settings 2. Clarify the relationship between organizations, information systems, and business processes 3. Analyze existing business processes and design new ones using business process reengineering principles. 4. Identify project risks and utilize ways of managing those through project management principles 5. Distinguish the key principles of e-commerce & m-commerce 6. Indicate the business aspects of new social media (e.g. Facebook)

Prerequisites	None	Co-requisites	None

Course Content	• ***Introduction to information systems***
	    Explain the new role of information systems in organizations
	
	• ***Key information systems in organizations***
	    Define key information systems in organizations according to:
	    Functional areas
	    Management levels
	    Clarify key challenges to information systems
	• ***Enterprise Applications***
	    Explain the key characteristics of Enterprise Applications (ERP; SCM, CRM systems)
	    Identify new opportunities and challenges
	
	• **Data Management & Business Intelligence**
	    Discuss
	    Data management
	    Business Intelligence
	
	• **Building Information Systems**
	    Discuss
	    Business process reengineering

	IT development
	IT Implementation
	
	- **Process Improvement Exercise**
	  Identify and analyse the information requirements for a new student registration system
	  Design new processes
	
	- **Managing IT projects**
	  Explain key steps in information systems project management
	
	- **E-commerce & m-commerce**
	  Discuss the key principles of
	  E-commerce
	  M-commerce
	
	- **The Business of New Online Social Media**
	  Discuss
	  What are online social media?
	  How do businesses utilize online social media to their benefit?

Teaching Methodology	The course involves the theoretical aspects of modern Information Systems. PowerPoint slides are used to cover the key points with extended use of examples. Group discussion takes place to review case studies and real time practices of applications in the industry.
Bibliography	<u>Textbooks:</u> - Laudon, K.C., and Laudon, J.P. (2010). Management Information Systems: Managing the Digital Firm, 11th Edition, Prentice hall. References: - Constantinides, P. (2012). Perspectives and Implications for the Development of Information Infrastructures. IGI Global (formerly Idea Group)
Assessment	Students are assessed on the theoretical aspects of the course through tests, and the final exam, while they are asked to answer a series of case studies for each chapter as assignments. The weights for each assessment component are: - Assignments: 20% - Tests: 20% - Final Exam: 60%
Language	English
Work Placement(s)	Not Applicable