

Course Title	Information Systems Management				
Course Code	CSC402				
Course Type	Compulsory				
Level	BSc/1st Cycle				
Year / Semester	4 th /7 th				
Teacher's Name	Ioannis Filippopoulos				
ECTS	7.5	Lectures / week	3 hours	Laboratories / week	2 hours
Course Purpose and Objectives	The aim of the course is the understanding of the information systems and their role in modern organizations, as well as the understanding of the information management technologies and the process of creating the information systems.				
Learning Outcomes	<p>Upon successful completion of the course, students will be able to:</p> <ul style="list-style-type: none">• Recognize types of information systems to support structures and processes, management, and strategic success of organizations.• Explain the basic components of the infrastructure of an information system of an organization: hardware and software, information, telecommunications and networks, and the Internet.• Solve management problems using IT tools• Explain Knowledge Management and describe how Knowledge Management supports organizational decision-making and affects strategic success.• Evaluate key issues of Information Management Systems, including security and control, and global systems issues.• Design a MIS system				
Prerequisites	-	Required	-		
Course Content	<p>The role of information systems in business today. Globalization Opportunities. Strategic goals of an enterprise's information systems. Prospects for information systems.</p> <p>Business Processes and Information Systems. Types of business information systems and their operation.</p> <p>Organizations and information systems. Use of information systems to achieve competitive advantage.</p> <p>Ethical and social issues related to systems. Ethics in the Information Society.</p> <p>IT Infrastructure. Hardware platform and emerging technologies.</p>				

	<p>Foundations of Business Intelligence. Databases and information management.</p> <p>Communications networks, the Internet and the wireless revolution.</p> <p>Security of Information Systems. Computer-related cybercrime and cyber-terrorism. Technologies and tools for security.</p> <p>Corporate Systems. Supply chain management systems. Customer Relationship Management. Corporate applications.</p> <p>E-commerce and the Internet. Types of e-commerce. Payment systems.</p> <p>Knowledge management and knowledge management systems at enterprise level. Intelligent techniques.</p> <p>Decision-making and information systems. Decision support systems. Executive support systems. Decision support team systems. Data visualization and geographic information systems.</p> <p>Systems of development and organizational change. Improvement process. Overview of the system development process. Component-based and Web services.</p> <p>Project management. Establish the business value of information systems. Risk management of the project.</p> <p>The development of international information systems. Organization of international information systems. Management of global systems. Technology issues and opportunities for global chains.</p>
Teaching Methodology	<p>Lectures 42 hours</p> <p>Labs 30 hours</p>
Bibliography	<p>J.Laudon, Management Information Systems: Managing the Digital Firm, 15th Edition, Pearson Education, 2017</p> <p>E.Oz, K.J.Sousa., Management Information Systems, 7th Edition, Course Technology, 2014</p>
Assessment	<p>Final Exam 60%</p> <p>Mid-Term/Lab Exam 20%</p> <p>Assignments 20%</p>
Language	English