

Course unit title:	Management Information Systems
Course unit code:	CSC425
Type of course unit: (Compulsory/optional)	Optional
Level of course unit: (First, second or third cycle)	Bachelor (1st cycle)
Year of study:	4
Semester when the unit is delivered:	7 or 8
Number of ECTS credits allocated:	7
Name of lecturer(s):	TBA
Learning outcomes of the course unit:	
<p>Upon successful completion of this course students should be able to:</p> <ul style="list-style-type: none"> • Recognize the roles of information systems in supporting the structures and processes; the management; and the strategic success of organizations. • Explain the major components of the information technology infrastructure of an organization: hardware and software; data resources; telecommunications and networks; and the Internet. • Solve managerial problems with the use of IT tools • Differentiate knowledge management and describe how knowledge management supports organizational decision-making and affects strategic success. • Evaluate key issues of Information Systems Management, including security and control and global systems issues. • Design an MIS system 	
Mode of delivery:	Face- to- face
Prerequisites and co-requisites:	CSC411
Recommended optional program components:	None
Course Contents:	
Objective:	
<p>To provide a comprehensive understanding of current Management Information Systems (MIS), their uses and tools that will assist in the decision making process; to know the relationship of information systems and organizational level and understand their role in management and decision making; to understand the goals and applications of personal,</p>	

workgroup and enterprise information systems, their components and the proper role for business professionals in their development.

Description:

The role of information systems in Business today. Globalization opportunities. Strategic business objectives of information systems. Perspectives on information systems.

Business processes and information systems. Types of business information systems and their function.

Organizations and information systems. Using information systems to achieve competitive advantage.

Ethical and social issues related to systems. Ethics in information society.

IT infrastructure and components. Hardware platform trends and emerging technologies.

Foundations of business intelligence. Databases and information management.

Telecommunications and networking in today's business world. Communications networks. The Internet and the wireless revolution.

Securing information systems. Computer crime and cyber terrorism. Technologies and tools for security.

Enterprise systems. Supply chain management systems. Customer relationship management. Enterprise applications.

Electronic commerce and the Internet. Types of e-commerce. Payment systems.

Knowledge management and enterprise-wide knowledge management systems. Intelligent techniques.

Decision making and information systems. Systems for decision support. Executive support systems. Group decision-support systems. Data visualization and geographic information systems.

Systems development and organizational change. Process improvement. Overview of systems development process. Component-based development and Web services.

Project management. Establishing the business value of information systems. Managing project risk.

The growth of international information systems. Organizing international information systems. Managing global systems. Technology issues and opportunities for global value chains.

<p>Recommended or required reading:</p>	<p>Laudon K.C. & Laudon J.P., MANAGEMENT INFORMATION SYSTEMS, Prentice Hall</p> <p>Oz, E., MIS, Course Technology</p> <p>O'Brien J.A., MIS, Mc Graw-Hill</p> <p>George Reynolds, W. , INFORMATION SYSTEMS FOR MANAGERS WEST</p> <p>Steven Alter, INFORMATION SYSTEMS: A Management Perspective Alter</p> <p>David Kroenke, MANAGEMENT INFORMATION SYSTEMS, McGraw Hill</p> <p>Niv Ahitur/Seev Newman, PRINCIPLES OF INFORMATION SYSTEMS FOR MANAGEMENT, WCB</p> <p>Henry Lucas, C., INFORMATION SYSTEMS CONCEPTS FOR MANAGEMENT, McGraw Hill</p> <p>Albert Case, F., INFORMATION SYSTEMS DEVELOPMENT, Prentice Hall</p> <p>Gordon Davis, B., MANAGEMENT INFORMATION SYSTEMS, McGraw Hill</p>						
<p>Planned learning activities and teaching methods:</p>	<table border="0"> <tr> <td>Class Instruction</td> <td style="border: 1px solid black; text-align: center;">42 Hours</td> </tr> <tr> <td>Consultation/Computer Lab</td> <td style="border: 1px solid black; text-align: center;">30 Hours</td> </tr> </table>	Class Instruction	42 Hours	Consultation/Computer Lab	30 Hours		
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<p>Assessment methods and criteria:</p>	<table border="0"> <tr> <td>Examinations</td> <td style="border: 1px solid black; text-align: center;">70%</td> </tr> <tr> <td>Assignments/ Class Participation/Project</td> <td style="border: 1px solid black; text-align: center;">30%</td> </tr> <tr> <td></td> <td style="border: 1px solid black; text-align: center;">100%</td> </tr> </table>	Examinations	70%	Assignments/ Class Participation/Project	30%		100%
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<p>Language of instruction:</p>	<p>English</p>						
<p>Work placement(s):</p>	<p>No</p>						
<p>Place of Teaching:</p>	<table border="0"> <tr> <td>Theoretical Part:</td> <td>Regular Classroom European University Cyprus, Nicosia</td> </tr> <tr> <td>Practical Part:</td> <td>Computer Laboratory European University Cyprus, Nicosia</td> </tr> </table>	Theoretical Part:	Regular Classroom European University Cyprus, Nicosia	Practical Part:	Computer Laboratory European University Cyprus, Nicosia		
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