

THE CYPRUS INTERNATIONAL INSTITUTE OF MANAGEMENT

COURSE UNIT DESCRIPTION

Course Unit Title	MANAGING INFORMATION SYSTEMS (MIS)	
Course Unit Code	HR480	
Type of Unit	Core	
Level of Course Unit	Second cycle	
Year of Study	First / Second – Modular system	
Semester	Second	
Number of ECTS Credits	4.5 ECTS	
Class Contact Hours	36	
Minimum Learning Effort (In Hours)	150	
Course Unit Objectives	<p>The fundamentals of information systems, like what they are and how they affect organizations, will be taught. The general nature of computer hardware, software, systems, database management, as well as underlying security and performance implications will be discussed.</p> <p>A fair introduction of the historic development phases in computing technologies will be discussed as well as the underlying challenges. At the end the student will be introduced to new technologies and concepts like Web 2.0, Big Data, Social Media and Cloud Computing.</p>	
Learning Outcomes	The students completing the course should be able to	
	CILO 1	Understanding of the fundamental and underlying notions associated with Information Systems (IS) and Enterprise Resource Planning (ERP), as well as their benefits to the modern society.
	CILO 2	Understanding several requirement and operations that are essentials for analysis, design and implementation of the systems, known as System Development Life Cycle (SDLC).
	CILO 3	Demonstrate understanding of the ERP implementation process and defining its critical success factors.
	CILO 4	Critically discuss the weaknesses and strengths related to IS models and suggest improvements and enhancements.
	CILO 5	Demonstrate appreciation of the risks and challenges of ERP implementations and ability to suggest suitable countermeasures.
	CILO 6	Understanding of ethical and security related issues in IS.
	CILO 7	Understanding of historic development phases in computing technology; mainframe and minicomputer computing,

		personal computers, client/server networks, enterprise computing, cloud computing and business cluster.
	CILO 8	Understanding of the opportunities and challenges involved to new technologies
Name of Lecturer(s)	Dr Theodosios Mourouzis	
Mode of delivery	Face to Face	
Prerequisites or corequisites	None	
Course Content	1. Introduction to Information Systems and Enterprise Resource Planning (ERP)	CILO 1,3
	2. Introduction to different business notions; data, process and knowledge	CILO 1,3
	3. ERP solutions implementations and critical success factors.	CILO 1,3
	4. Introduction to System Development Life Cycle (SDLC)	CILO 2
	5. Risk evaluation and analysis of ERP solutions at enterprise level.	CILO 3,4
	6. Ethics and Security of Information Systems	CILO 5,6
	7. Competitive Advantage increase using IS and ERP	CILO 8
	8. Introduction to different computing technologies; mainframe and minicomputer computing, personal computers, client/server networks, cloud computing, business cluster	CILO 7
	9. New technologies and Challenges: Web 2.0, Social Media, Cloud Computing, BIG Data.	CILO 8
Recommended or required reading	1. Kenneth Laudon and Jane Laudon. <i>Management Information Systems</i> . Pearson (12 th edition). 2012 2. Paul Bojic, Andrew Greasley and Simon Hickie. <i>Business Information Systems: Technology, Development and Management for the E-business</i> . Pearson (5 th edition). 2014 3. David Avison and Guy Fitzgerald. <i>Information Systems Development</i> . McGraw Hill Education (4 th Edition), 2006	
Planned learning activities and teaching methods	Face to Face	
Assessment methods and criteria	Class participation: 20% In-class examination: 80%	
Language of Instruction	English	
Work Placement(s)	Not applicable	