

THE CYPRUS INTERNATIONAL INSTITUTE OF MANAGEMENT

COURSE UNIT DESCRIPTION

Course Unit Title	Foundations of Business Information Technology	
Course Unit Code	BI395	
Type of Unit	Core	
Level of Course Unit	Second cycle	
Year of Study	First/second year	
Number of ECTS Credits	6 ECTS	
Minimum Learning Effort (In Hours)	150	
Course Unit Objectives	<p>The aim of this course is to educate the new generation of managers in terms of existing and new technologies used in the world of information systems and the web. Fundamental definitions of modern computer science will be reviewed with an emphasis on current technologies and practice.</p> <p>Upon completion, students will be able to utilize existing technologies, and develop analytical thinking skills. This will allow them to understand how to apply IT-related notions and techniques to a business environment, leading to the improvement of business processes.</p>	
Learning Outcomes	The students completing the course should be able to	
	CILO 1	Understand of basic concepts of information systems and how to improve the business operations and processes.
	CILO 2	Familiarize themselves with modern IT business infrastructures and techniques and understand how to utilize them.
	CILO 3	Develop critical thinking skills concerning how different IT infrastructures relate to each other.
	CILO 4	Develop necessary skills to understand which technologies are appropriate for each business operation.
	CILO 5	Understand the value data have for businesses and learn how data are stored, processed and protected.
Name of Lecturer(s)	Dr. Kyriacos Pavlou	
Mode of delivery	Face to Face	
Prerequisites or co-requisites	None	
Course Content	1. Introduction to business information systems	CILO 1,2
	2. Introduction to IT: hardware, software, databases, networks, internet and telecommunications.	CILO 2,3
	3. Systems Development: systems analysis, design, build, implementation and maintenance	CILO 3
	4. Web and Cloud Technologies	CILO 1,2,3,4

	5. Software business models and technologies: introduction to basic technologies used in client-side or cloud infrastructures.	CILO 4
	6. The value of data and methods of utilization.	CILO 5
Recommended or required reading	1. Paige Baltzan. <i>Business Driven Information Systems</i> . McGraw-Hill Education, 5 th edition, 2015. 2. Paul Bocij. <i>Business Information Systems: Technology, Development and Management for E-business</i> . Pearson, 5 th Edition, 2015.	
Planned learning activities and teaching methods	Face to Face	
Assessment methods and criteria	Class participation: 20% Assignment(s): 40% Final examination: 40%	
Language of Instruction	English	
Work Placement(s)	Not applicable	