THE CYPRUS INTERNATIONAL INSTITUTE OF MANAGEMENT

COURSE UNIT DESCRIPTION

Course Unit Title	**Foundations of Business Information Technology**
Course Unit Code	GD570/BI395
Type of Unit	Core
Level of Course Unit	Second cycle
Year of Study	First/second year
Number of ECTS Credits	6 ECTS
Course Unit Objectives	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 practices. 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.

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 Information Technology (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 and provide leadership in IT-related projects within an enterprise.
	CILO 5	Understand the value data have for businesses, the data analytics lifecycle and learn how data are stored, processed and protected.

Name of Lecturer(s)	Dr. George Christou	
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	**Required Reading** 1. Paige Baltzan and Amy Phillips. *Business Driven Information Systems*. McGraw-Hill Education, 5th edition, 2015. 2. Paul Bocij. *Business Information Systems: Technology, Development and Management for E-business*. Pearson, 5th Edition, 2015. R**ecommended Reading** Textbooks 3. Amanda Taylor. *The future of the professions: how technology will transform the work of human experts,* Oxford University Press, 2016. Research Articles 4. Heinz-Theo Wagner, Daniel Beimborn and Tim Weitzel. *How Social Capital Among Information Technology and Business Units Drives Operational Alignment and IT Business Value.* Journal of Management Information Systems, Vol 31(1), 2014. 5. Jerry Luftman, Kalle Lyytinen and Tal ben Zvl. *Enhancing the measurement of information technology (IT) business alignment and its influence on company performance.* Journal of Information Technology, Vol 32(1), 2017.	
Planned learning activities and teaching methods	lectures, group work, lab work, role playing, project-based learning, homework	
Assessment methods and criteria	Class participation: 10% Assignments: 50% In-class examination: 40%	
Language of Instruction	English	
Work Placement(s)	Not applicable	