COURSE OUTLINE

(1) GENERAL

SCHOOL	SOCIAL SCIENCES				
ACADEMIC UNIT	DEPARTMENT OF CULTURAL TECHNOLOGY AND COMMUNICATION				
LEVEL OF STUDIES	UNDERGRADUATE				
COURSE CODE	PLR 108	08 SEMESTER 8			
COURSE TITLE	INFORMATION SYSTEMS				
INDEPENDENT TEACHING ACTIVITIES if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits			WEEKLY TEACHING HOURS	CREDITS	
	lectures 2 3			3	
Laboratory exercises			1	2	
			3	5	
Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).					
COURSE TYPE general background, special background, specialised general knowledge, skills development	Elective / Special background				
PREREQUISITE COURSES:	None				
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek				
IS THE COURSE OFFERED TO ERASMUS STUDENTS	Yes				
COURSE WEBSITE (URL)	https://eclass.aegean.gr/courses/131201/				

(2) LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area
- Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B
- Guidelines for writing Learning Outcomes

Upon completion of this course, participants will be able to:

- recognize the different types of information systems and their role in business organizations
- describe the technologies that form the IS infrastructure
- understand and critically contrast the basic IS development methodologies
- use information management tools in order to develop simple ISs
- describe the social and ethical issues stemming from the use of ISs

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology Adapting to new situations

Decision-making Working independently

Team work

Working in an international environment Working in an interdisciplinary environment

Production of new research ideas

Project planning and management Respect for difference and multiculturalism Respect for the natural environment

Showing social, professional and ethical responsibility and

sensitivity to gender issues Criticism and self-criticism

Production of free, creative and inductive thinking

Others...

- Search for, analysis and synthesis of data and information, with the use of the necessary technology
- Team work
- Project planning and management
- Showing social, professional and ethical responsibility to information handling issues

(3) SYLLABUS

The objective of this course is the introduction to the basic issues related to the design and development of Information Systems (IS) and their use in business organisations. It is organized in the following sections: IS categories, organisation and IS, social and moral issues (systems quality, systems privacy, intellectual property rights), technology infrastructure (hardware, databases, communication networks), IS development issues (methodologies and tools).

	Διαλέξεις		
1.	Introduction – Course Objectives		
2.	Information Systems – Basic Concepts		
3.	Decision Support Systems – Data Analytics		
4.	Technological Infrastructure of Information Systems		
5.	Data Management		
6.	Case Study I – Collection Management Systems		
7.	Information Systems Development		
8.	Enterprise Resource Planning (ERP) Systems		
9.	Case Study II – Enterprise IS Development		
10.	Strategic Planning – Cost / Benefit Analysis		
11.	Social and Ethical Issues of Information Systems		

Presentation of Students' Assignments
Review
_

(4) TEACHING and LEARNING METHODS - EVALUATION

DELIVERY Face-to-face, Distance learning, etc.	Face-to-face			
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY Use of ICT in teaching, laboratory education, communication with students	Use of open source software in laboratory education			
TEACHING METHODS				
The manner and methods of teaching are described in detail.	Activity	Semester workload		
Lectures, seminars, laboratory practice,	Lectures	13 *2 hours =26 hours		
fieldwork, study and analysis of bibliography,	Study of lectures' material	13*5 hours = 65 hours		
tutorials, placements, clinical practice, art	Laboratory practice	13*1 hour = 13 hours		
workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc.	Project	30 hours		
The student's study hours for each learning				
activity are given as well as the hours of non-directed study according to the principles of the ECTS				
of the LC13	Course total	134 hours		
	eourse total	134 110013		
STUDENT PERFORMANCE EVALUATION Description of the evaluation procedure Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other Specifically-defined evaluation criteria are given, and if and where they are accessible to students.	Students have the option to be evaluated either throug written examination or through elaboration and public presentation a team project. The written exam includes multiple choice questions as as open ended questions based on both the theoretical (lectures) and the practical part as it is presented and monitored in the laboratory of the course. Projects concern the analysis of a real problem (report) the implementation of a system with the use of tools presented during the course labs. The assessment of the project is based on the written report (40%), the system implementation (40%) and the public presentation (20%). The evaluation criteria are given during the first lecture are explicitly stated in the course eclass.			

(5) ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

- Management Information Systems, 11th ed., LAUDON K., LAUDON J., Kleidarithmos 2014, ISBN: 978-960-461-623-7
- Management Information Systems, Patricia Wallace, Kritiki, 2014, ISBN: 978-960-218-886-6
- Management Information Systems: Moving business forward, K. Rainer & H. Watson, Giourdas 2013, ISBN: 978-960-512-6407

- Related academic journals:

- Management Information Systems, MIS Quarterly
- Communications of the ACM
- ACM Transactions on Information Systems, ACM
- ACM Transactions on Management Information Systems, ACM
- IEEE Transactions on Software Engineering, IEEE Society
- Journal of Intelligent Information Systems, Springer
- Information Systems Journal, Elsevier
- Journal of the Association for Information Science and Technology, Wiley
- Information Systems Management, Taylor & Francis