



# UNIVERSITY OF PIRAEUS

## 1) GENERAL

<b>SCHOOL</b>	ECONOMICS, BUSINESS AND INTERNATIONAL STUDIES		
<b>ACADEMIC UNIT</b>	ECONOMICS		
<b>LEVEL OF STUDIES</b>	UNDERGRADUATE		
<b>COURSE CODE</b>	<b>ΟΚΠΛΗ06</b>	<b>SEMESTER</b>	1
<b>COURSE TITLE</b>	<b>INFORMATION SYSTEMS</b>		
<b>INTEPDEPENDENT TEACHING ACTIVITIES</b>	<b>WEEKLY TEACHING HOURS</b>	<b>CREDITS</b>	
Lectures	2	6	
Laboratory Training	4		
<b>COURSE TYPE</b>	Skills Development, Laboratory Training		
<b>PREREQUISITE COURSES</b>	-		
<b>LANGUAGE OF INSTRUCTION and EXAMINATIONS</b>	Greek		
<b>IS THE COURSE OFFERED TO ERASMUS STUDENTS</b>	No		
<b>COURSE WEBSITE (URL)</b>	<a href="https://eclass.unipi.gr/courses/OEP190/">https://eclass.unipi.gr/courses/OEP190/</a>		

## 2) LEARNING OUTCOMES

### Learning Outcomes

Education in information technology is critical for every business professional in every discipline. Today, information technology is used extensively in business to acquire, develop and communicate information, and, to assist managers with every decision they make. Regardless of a student's future occupation, they will need to understand the potential and limitation of information technology and be able to use it effectively in their work. This course will educate students in contemporary business information systems, modern computer tools, and what it means to act responsibly within current business environments. Students will study essential information systems, found in current and emerging business models. Discussion will focus on information technology, contemporary decision support tools, and standards of behavior required of personnel working with information and information technology. Students will learn about technology and its impact on the business through readings from books, and other published resources including podcasts, discussions, and independent exploration. Students will work in a team and individual environment to solve business problems using decision support systems with MS Excel.

### General Competences

- Search for, analysis and synthesis of data and information by the use of appropriate technologies,
- Adapting to new situations
- Decision-making
- Individual/Independent work
- Group/Team work
- Introduction of innovative research

## 3) SYLLABUS

1. Introduction to Information Science, Basic Principles of Informatics, Information Technology, Hardware & Software.
2. Strategic Information Systems
3. E-Business & E-Commerce models
4. Networks, Information Systems' Development and Implementation
5. On-Hands training in Information Systems application in Economics (Exercises, Scenarios and cases)

**4) TEACHING and LEARNING METHODS**

<b>DELIVERY</b>	In class lectures	
<b>USE OF INFORMATION AND COMMUNICATION TECHNOLOGY</b>	Use of ICT in lectures and in communication with students	
<b>TEACHING METHODS</b>	<b>Activity</b>	<b>Semester workload</b>
	Lectures	26
	Laboratory Training	52
	Study and preparation of Exercises, Scenarios and Cases	45
	Case study-Project	25
	Exam	2
	<b>Course Total</b>	<b>150</b>
<b>STUDENT PERFORMANCE EVALUATION</b>	Evaluation method: 1) Case study (10% of the final grade) 2) Laboratory exercises (20% of the final grade) 3) Final examination (multiple choice, 70% of the final grade)	
<b>ATTACHED BIBLIOGRAPHY</b>	<ul style="list-style-type: none"><li>• Kroenke M.David, Boyle J.Randall Management Information Systems in Practice 1<sup>st</sup> Edition./2016. BROKEN HILL PUBLISHERS LTD</li><li>• Yannis Pollalis &amp; D. Giannacopoulos, (2007) Business Information Systems I: Introduction toTechnology and Strategy 2nd Edition , Stamoulis Publishing</li><li>• Yannis Pollalis &amp; D. Giannacopoulos, (2004) Business Information Systems II: Formulas and Applications in Programming 1st Edition , Stamoulis Publishing</li></ul> <p>Supplementary Books</p> <ul style="list-style-type: none"><li>• Laudon K. Laudon J. «Management Information Systems», McGraw-Hill.</li><li>• O’Brien «Introduction to Information Systems», McGraw-Hill</li><li>• Kroenke D., Hatch R. “Management Information Systems», McGraw-Hill</li></ul> <p>Related scientific journals:</p> <ul style="list-style-type: none"><li>• Information Systems Journal</li><li>• European Journal of Information Systems</li><li>• Open Journal of Information System</li></ul>	