

## COURSE LAYOUT

### 1. GENERAL

<b>SCHOOL</b>	Applied Economic and Social Sciences		
<b>DEPARTMENT</b>	Agribusiness and Supply Change Management		
<b>STUDY LEVEL</b>	<i>Undergraduate</i>		
<b>COURSE CODE</b>	<b>5512</b>	<b>SEMESTER</b>	5th
<b>COURSE TITLE</b>	ENTERPRISE RESOURCE PLANNING SYSTEMS		
<b>INDEPENDENT TEACHING ACTIVITIES</b>	<b>WEEKLY TEACHING HOURS</b>	<b>CREDITS/ECTS</b>	
Lectures	2	5	
Laboratory work	3		
<b>COURSE TYPE</b>	Scientific area		
<b>PREREQUISITES:</b>	No		
<b>LECTURES AND EXAMS LANGUAGE :</b>	Greek		
<b>IS THE COURSE OFFERED TO ERASMUS STUDENTS?</b>	YES (in English)		
<b>COURSE WEB PAGE (URL)</b>	<a href="https://oeclass.aua.gr/eclass/courses/5095/">https://oeclass.aua.gr/eclass/courses/5095/</a>		

### 2. LEARNING OUTCOMES

<b>Learning Outcomes</b>	
<p>The scope of the course is to help students to:</p> <ul style="list-style-type: none"> <li>● understand issues related to the necessity, methods and tools of integrated business resource management, emphasizing the processes of Logistics operations</li> <li>● understand resource management and workflow management issues throughout the supply chain (inside and outside a business) and the ways in which ERPs support the smooth operation of the business</li> <li>● understand the implementation of ERP systems, focusing on requirements analysis, architecture design, evaluation, selection and actions throughout its life cycle (implementation, parameterization, development, maintenance)</li> </ul> <p>Upon successful completion of the course the student will be able to:</p> <ul style="list-style-type: none"> <li>● use the basic functions of an Enterprise Resource Planning System (ERP)</li> </ul>	
<b>General Competences</b>	
<ul style="list-style-type: none"> <li>● Search, analyze and synthesize data and information, using the necessary technologies</li> <li>● Adapt to new situations</li> <li>● Make decisions</li> <li>● Work autonomously</li> <li>● Work in teams</li> <li>● Work in an interdisciplinary environment</li> <li>● Produce new research ideas</li> <li>● Advance free, creative and causative thinking</li> </ul>	

### 3. COURSE CONTENT

<p><b>The theoretical part of the course covers the following topics:</b></p> <ul style="list-style-type: none"> <li>● Introduction - understanding of business resources and management needs</li> <li>● Business Processes – ERP Evolution – Advantages of using ERP systems</li> <li>● Business Information Systems Architecture</li> <li>● ERP system selection criteria – ERP subsystems</li> </ul>
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<ul style="list-style-type: none"> <li>● ERP functionality. Business processes support, such as: <ul style="list-style-type: none"> <li>● human resources management processes</li> <li>● financial management,</li> <li>● production management</li> <li>● Sales and customer management</li> <li>● e.t.c.</li> </ul> </li> <li>● Customer Relationship Management System</li> <li>● Project management processes for implementing ERP system</li> <li>● Case studies</li> </ul> <p><b>The laboratory part of the course covers the following topics:</b></p> <ul style="list-style-type: none"> <li>● Use of an ERP system for the development of specific logistics scenarios</li> </ul>
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**4. TEACHING and LEARNING METHODS - EVALUATION**

<b>TEACHING METHOD</b>	Face to face																		
<b>USE OF INFORMATION AND COMMUNICATION TECHNOLOGIES</b>	<ul style="list-style-type: none"> <li>● Support of the learning process through the AUA Open eClass platform of the University (Integrated Electronic Course Management System)</li> <li>● Support of the lectures using presentation software</li> <li>● Use of Internet applications to support educational needs</li> <li>● Use of a ERP software tool</li> </ul>																		
<b>TEACHING ORGANISATION</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;"><i>Activity</i></th> <th style="text-align: center;"><i>Workload</i></th> </tr> </thead> <tbody> <tr> <td>Lectures (direct)</td> <td style="text-align: center;">39</td> </tr> <tr> <td>Laboratory Practice</td> <td style="text-align: center;">26</td> </tr> <tr> <td>Essay Writing</td> <td style="text-align: center;">20</td> </tr> <tr> <td>Autonomous study</td> <td style="text-align: center;">36</td> </tr> <tr> <td>Advisory Support</td> <td style="text-align: center;">0,5</td> </tr> <tr> <td>Examination</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Laboratory Examination</td> <td style="text-align: center;">2</td> </tr> <tr> <td><i>Total</i> <i>(About 25 hours of study per ECTS)</i></td> <td style="text-align: center;"><b>125,5</b></td> </tr> </tbody> </table>	<i>Activity</i>	<i>Workload</i>	Lectures (direct)	39	Laboratory Practice	26	Essay Writing	20	Autonomous study	36	Advisory Support	0,5	Examination	2	Laboratory Examination	2	<i>Total</i> <i>(About 25 hours of study per ECTS)</i>	<b>125,5</b>
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<b>STUDENTS EVALUATION</b>	<p>The evaluation process is in the language that the course is taught (Greek or English) and consists of:</p> <ul style="list-style-type: none"> <li>i. <b>Compulsory written final examination</b> at the end of the semester (weighting factor <b>70%</b> at least) which may includes: <ul style="list-style-type: none"> <li>● Multiple choice questionnaires</li> <li>● Open-ended questions</li> <li>● Problem solving</li> <li>● Oral examination</li> </ul> <p><b>Evaluation criteria:</b> correctness, completeness, clarity</p> </li> <li>ii. <b>Optional written exam or essay</b> during the semester (weighting factor 30%) which may includes: <ul style="list-style-type: none"> <li>● Multiple choice questionnaires</li> <li>● Open-ended questions</li> <li>● Problem solving</li> <li>● Essay/report</li> <li>● Oral examination</li> </ul> <p><b>Evaluation criteria:</b> correctness, completeness, clarity</p> </li> </ul>																		

	<p><b>Special learning difficulties:</b></p> <p>Students with <b>special learning difficulties</b> in writing and reading (as they are certified and characterized by a competent body) are examined based on the procedure provided by the Department.</p> <p><b>Specifically-Defined Criteria:</b></p> <p>The evaluation criteria are made known during the first lesson and are clearly stated on the course website and the AUA Open e-class platform. The answers to the exam questions are posted on the AUA Open e-Class platform after the exam. The students are allowed to see their exam paper after its grading (during the announced office hours) and receive explanations about the grade they received</p>
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## 5. SUGGESTED BIBLIOGRAPHY

### Bibliography:

- Φιτσιλής Π. (2015) Σύγχρονα Πληροφοριακά Συστήματα Επιχειρήσεων, ΚΑΛΛΙΠΟΣ, <https://repository.kallipos.gr/handle/11419/2256>
- Ιωάννου Γ., (2006). Ολοκληρωμένα Συστήματα Διαχείρισης Επιχειρησιακών Πόρων (ERP), Εκδ. Σταμούλη.
- Λουκής, Ε., Ανδριτσάκης, Α., Διαμαντοπούλου, Β. (2009). Ολοκληρωμένη Μηχανογραφική Υποστήριξη επιχειρήσεων με SAP, Εκδόσεις Νέων Τεχνολογιών.
- Πολλάλης Ι., Βοζίκης Α (2015). Πληροφοριακά Συστήματα Διαχείρισης Επιχειρησιακών Πόρων, εκδ. Υτορία.
- Φωλίνας, Δ., Μάνθου, Β., Βλαχοπούλου, Μ., (2007). Ολοκληρωμένα Πληροφοριακά Συστήματα Διαχείρισης Επιχειρησιακών Πόρων, Εκδ. Ανικούλα.
- Στεφάνου Κ., Μπιάλας Χ., (2014). Σύγχρονα Επιχειρησιακά Συστήματα, Πληροφοριακά Συστήματα Διοίκησης και Συστήματα Επιχειρησιακών Πόρων (ERP), εκδότης Κ. Στεφάνου.
- Στεφάνου Κ., Μπιάλας Χ., (2017). Συστήματα Επιχειρησιακών Πόρων και Εφαρμογές με το σύστημα SAP, Εκδότης Αλτιντζής Α.
- Kurbel, K., (2013). Enterprise Resource Planning and Supply Chain Management, Springer.
- Martin, M. (2014). Discover Logistics with SAP (SAP ERP and SAP SCM), 2<sup>nd</sup> updated edition, SAP Press.
- Monk, E., Wagner, B. (2012). Concepts in Enterprise Resource Planning, Course Technology

### Scientific Journals:

- *Journal of Enterprise Information Management*
- *Journal of Enterprise Resource Planning Studies*
- *International Journal of Enterprise Information Systems (IJEIS)*