

COURSE OUTLINE

1. GENERAL

SCHOOL	APPLIED ECONOMIC AND SOCIAL SCIENCES		
ACADEMIC UNIT	AGRIBUSINESS AND SUPPLY CHAIN MANAGEMENT		
LEVEL OF STUDIES	<i>Undergraduate</i>		
COURSE CODE	5402	SEMESTER	4th
COURSE TITLE	WAREHOUSE AND INVENTORY MANAGEMENT		
INDEPENDENT TEACHING ACTIVITIES		WEEKLY TEACHING HOURS	CREDITS
Lectures		4	5
COURSE TYPE	Special Background		
PREREQUISITE COURSES	NO		
LANGUAGE OF INSTRUCTION and EXAMINATIONS	Greek		
IS THE COURSE OFFERED for ERASMUS STUDENTS?	YES (in English)		
COURSE WEBSITE (URL)	https://oeclass.aua.gr/eclass/		

2. LEARNING OUTCOMES

Learning Outcomes

The aim of the course is to:

- deal with organising and operating warehouses and inventory management.
- examine the role of warehouses and the parameters that affect their design and operation.
- analyse the importance of inventories in the various supply chain typologies.

Upon successful completion of the course, the student will be able to:

- recognize the main issues of warehouse design and operation.
- understand the role of inventory.
- explain the criteria for selecting inventory and warehousing policies.
- analyse inventory and warehousing requirements for businesses and organizations.
- compare alternative inventory policies.

General Competences

- Adapting to new situations
- Decision-making
- Working independently
- Teamwork
- Working in an international environment
- Project planning and management
- Advance free, creative and causative thinking

3. SYLLABUS

1. Introduction to basic concepts
2. Determining storage needs
3. Warehouse fitting
4. Mechanical, technological equipment and automation

5. Product palleting, unification equipment
6. Flow design
7. Inventory handling
8. Inventory control
9. Aggregate Programming
10. MRP & ERP
11. Just in Time
12. Warehouse management systems
13. Special topics

A combination of teaching and learning methods will be used, aiming at the active participation of the students and the practical application of the thematic units under examination; there will also be lectures using audiovisual media, discussions, and analyses of case studies on real business issues, experiential (group) activities, as well as projections of relevant videos. Furthermore, articles, audiovisual lecture materials, web links/addresses, useful information, case studies and exercises for further practice are posted in digital form on the AUA Open e-Class platform.

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY	Face-to-face, Distance learning															
USE OF INFORMATION and COMMUNICATIONS TECHNOLOGY	<ul style="list-style-type: none">• Support of the learning process through the University's AUA Open eClass platform (integrated e-Course Management System)• Support of lectures using presentation software• Use of audiovisual material• Use of web applications <p>Communication with students: face to face at office hours, email, eclass platform</p>															
TEACHING METHODS	<table><tr><th>Activity</th><th>Workload</th></tr><tr><td>Lectures (direct)</td><td>52</td></tr><tr><td>Writing paper/ papers</td><td>32</td></tr><tr><td>Independent Study</td><td>39</td></tr><tr><td>Advisory support</td><td>0.5</td></tr><tr><td>Exams</td><td>2</td></tr><tr><td>Course Total (Approximately 25 hours of workload per credit unit 125.5)</td><td>125.5 h</td></tr></table>		Activity	Workload	Lectures (direct)	52	Writing paper/ papers	32	Independent Study	39	Advisory support	0.5	Exams	2	Course Total (Approximately 25 hours of workload per credit unit 125.5)	125.5 h
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STUDENT PERFORMANCE EVALUATION	<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">i. Compulsory written final examination at the end of the semester (weighting factor 70% at least) which may include:<ul style="list-style-type: none">• Multiple choice questionnaires															

	<ul style="list-style-type: none"> • Open-ended questions • Problem solving • Oral examination <p>Evaluation criteria: correctness, completeness, clarity</p> <p>ii. Compulsory written exam during the semester (weighting factor 30%)</p> <p>Evaluation criteria: correctness, completeness, clarity</p> <p>Special learning difficulties:</p> <p>Students with special learning difficulties 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>Specifically-Defined Criteria:</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. ATTACHED BIBLIOGRAPHY

Suggested Bibliography in Greek Language:

- Jacobs, R. (2011). *Διοίκηση Λειτουργιών και Εφοδιαστικής Αλυσίδας*. Λευκωσία: Broken Hill.
- Κακούρης, Α. (2013). *Διοίκηση Επιχειρησιακών Λειτουργιών*. Αθήνα: Προπομπός.
- Στειακάκης, Ε. & Κωφίδης, Ν. (2016). *Διοίκηση Παραγωγής και Υπηρεσιών*. Θεσσαλονίκη: Τζιόλα.
- Φωλίνας, Δ. & Πόνης, Σ. (2022). *Σύγχρονη Διοίκηση Αποθηκευτικών Κέντρων στην Εποχή του Industry 4.0*. Λευκωσία: Broken Hill.

Related academic Journals:

- Journal of Operations Management
- International Journal of Production Economics
- International Journal of Production Research

Instructor's Notes