

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	5810	SEMESTER	8th
COURSE TITLE	REVERSE SUPPLY CHAIN AND CIRCULAR ECONOMY		
INDEPENDENT TEACHING ACTIVITIES		WEEKLY TEACHING HOURS	CREDITS
Lectures		4	5
COURSE TYPE	Specialized general knowledge		
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:

- examine the material flows of products that have completed their useful life cycle.
- analyse the alternative options available to businesses and organizations.
- discuss the role and obligations of the parties involved.
- examine the similarities and differences with the forward supply chain, as well as synergy capabilities, in order to create closed-loop supply chains.
- highlight the economic and environmental benefits of reverse supply chains.

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

- explain the importance of reverse supply chains.
- describe alternative reverse logistics networks.
- develop specific proposals on how to improve the efficiency and performance of extended supply chains.
- synthesise the requirements of forward and reverse supply chains.
- plan expanded supply chains.

General Competences

- Adapting to new situations
- Decision-making
- Working independently
- Teamwork
- Working in an international environment
- Working in an interdisciplinary environment
- Production of new research ideas
- Project planning and management

- Respect for the natural environment
- Advance free, creative and causative thinking

3. SYLLABUS

1. Introduction to basic concepts
2. Reverse supply chain activities
3. Alternative channels
4. Comparison of forward and reverse supply chain networks
5. The role of product design
6. The role of the parties involved
7. Managing returns
8. Packaging and reverse supply chains
9. The role of vulnerable social groups
10. Secondary markets
11. Disposal of end-of-life products
12. Case studies
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. The students will also undertake an individual or group project. 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 border="1"> <thead> <tr> <th><i>Activity</i></th> <th><i>Workload</i></th> </tr> </thead> <tbody> <tr> <td>Lectures (direct)</td> <td>65</td> </tr> <tr> <td><i>Writing paper/ papers</i></td> <td>28</td> </tr> <tr> <td><i>Independent Study</i></td> <td>30</td> </tr> <tr> <td><i>Advisory support</i></td> <td>0.5</td> </tr> <tr> <td><i>Exams</i></td> <td>2</td> </tr> <tr> <td><i>Course Total</i> <i>(Approximately 25 hours of</i></td> <td>125.5 h</td> </tr> </tbody> </table>		<i>Activity</i>	<i>Workload</i>	Lectures (direct)	65	<i>Writing paper/ papers</i>	28	<i>Independent Study</i>	30	<i>Advisory support</i>	0.5	<i>Exams</i>	2	<i>Course Total</i> <i>(Approximately 25 hours of</i>	125.5 h
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	<i>workload per credit unit</i> 125.5)	
STUDENT PERFORMANCE EVALUATION	<p>The evaluation process is in the language that the course is taught (Greek or English) and consists of:</p> <ol 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 • Open-ended questions • Problem solving • Oral examination Evaluation criteria: correctness, completeness, clarity ii. Compulsory written essay during the semester (weighting factor 30%) Evaluation criteria: correctness, completeness, clarity <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>	

5. ATTACHED BIBLIOGRAPHY

Suggested Bibliography in Greek Language:

- Μαλινδρέτος, Γ. (2015). *Εφοδιαστική αλυσίδα, logistics και εξυπηρέτηση πελατών*. Αθήνα: Σύνδεσμος Ελληνικών Ακαδημαϊκών Βιβλιοθηκών.

Suggested Bibliography in English Language:

- Dyckhoff, H., Lackes, R. & Reese, J. (2013). *Supply Chain Management and Reverse Logistics*. Berlin: Springer.
- Gupta, S.M. (2016). *Reverse Supply Chains: Issues and Analysis*. Boca Raton, Florida: CRC Press.

Related academic Journals:

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

Instructor's Notes