COURSE OUTLINE

1. GENERAL

SCHOOL	APPLIED ECONOMIC AND SOCIAL SCIENCES		
ACADEMIC UNIT	AGRIBUSINESS AND SUPPLY CHAIN MANAGEMENT		
LEVEL OF STUDIES	*Undergraduate*		
COURSE CODE	**5813**	**SEMESTER**	8th
COURSE TITLE	LABELING AND TRACEABILITY IN THE SUPPLY CHAIN		
INDEPENDENT TEACHING ACTIVITIES		**WEEKLY TEACHING HOURS**	**CREDITS**
	Lectures	4	5
COURSE TYPE	Specialized – Skills Development		
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

As supply chains become increasingly complex and global, the ability to accurately track and trace products throughout their lifecycle is essential for efficiency, quality control, and regulatory compliance. Proper labeling and traceability systems are crucial for maintaining product safety and quality. This course would teach students how to implement systems that can quickly identify and address issues, potentially preventing costly recalls and protecting public health. Traceability systems provide real-time visibility into the supply chain, allowing for better decision-making and risk management. Students would learn how to leverage this visibility to optimize supply chain operations.

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

- analyze and apply various labeling technologies and standards across different industries.
- develop and implement comprehensive traceability strategies for diverse supply chains, showcasing the ability to integrate modern technologies like RFID, blockchain, and IoT for enhanced visibility and control.
- evaluate and optimize logistics labeling processes, demonstrating the capacity to improve efficiency, accuracy, and compliance in warehouse management and transportation operations.
- apply data analytics techniques to labeling and traceability information, exhibiting skills in leveraging supply chain data for business insights and decision-making.
- design and present solutions for complex labeling and traceability challenges in global supply chains, demonstrating critical thinking and problem-solving abilities in addressing cross-border issues and emerging industry trends.

General Competences

- Adapting to new situations
- Decision-making
- Working independently
- Teamwork
- Working in an international environment

- Production of new research ideas
- Respect for the natural environment
- Advance free, creative and causative thinking

3. SYLLABUS

1. Introduction to basic concepts
2. Labeling requirements in the agri-food industry
3. Labeling in consumer products
4. Labeling in logistics
5. Cargo labelling in air transport – Special categories of air cargo
6. Traceability Systems and technologies
7. Record keeping and documentation in supply chains
8. Traceability in agri-food supply chains
9. Traceability in pharmaceutical and healthcare supply chains
10. Traceability in other products
11. Global supply chain traceability challenges
12. Data analytics and traceability
13. Emerging technologies in traceability
14. Traceability and risk management

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	• 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 **Communication with students**: face to face at office hours, email, eclass platform
TEACHING METHODS	

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 h***

	125.5)	
STUDENT PERFORMANCE EVALUATION	The evaluation process is in the language that the course is taught (Greek or English) and consists of: i. Compulsory written final examination at the end of the semester (weighting factor **70**% at least) which may include: • 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 **Special learning difficulties:** 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. **Specifically-Defined Criteria:** 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.	

5. ATTACHED BIBLIOGRAPHY

Suggested Bibliography in Greek Language:

- David, P. (2022). *Διεθνή Logistics.* Αθήνα: Παπαζήση.
- Rushton, A., Croucher, P. & Baker, P. (2022). *Εγχειρίδιο Διαχείρισης Εφοδιαστικής Αλυσίδας.* Λευκωσία: Broken Hill.
- Νομικός Σ. (2020). *Ευφυής Συσκευασία.* Αθήνα: Τσότρας.

Related academic Journals:

- International Journal of Physical Distribution & Logistics Management
- Logistics
- Supply Chain Management: An International Journal

Instructor's Notes