

COURSE OUTLINE

1. GENERAL

SCHOOL	Agricultural Sciences		
ACADEMIC UNIT	BIOSYSTEMS& AGRICULTURAL ENGINEERING		
LEVEL OF STUDIES	Undergraduate		
COURSE CODE	BAE 907	SEMESTER	9 th
COURSE TITLE	AGRICULTURAL FOOD CHAIN		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
Lectures		3	
Tutorials		2	
Laboratory		0	
TOTAL		5	5
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Specialised general knowledge, Skills Development		
PREREQUISITE COURSES:	There are no prerequisite courses		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek .-For Erasmus students in English		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	Yes		
COURSE WEBSITE (URL)	https://eclass.upatras.gr/courses/		

2. LEARNING OUTCOMES

<p>Learning outcomes</p> <p><i>The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described. Consult Appendix A</i></p> <ul style="list-style-type: none"> • <i>Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area</i> • <i>Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B</i> • <i>Guidelines for writing Learning Outcomes</i> <p>• The course deals with issues related to the planning and operation of supply chains in companies and organizations, with an emphasis on agricultural products and food. Topics related to supply management, inventory management, product distribution, and order management are considered, as well as issues related to warehousing and freight operations. In addition, the specificities and main stakeholders of agri-food supply chains and issues related to the strategic role and importance of supply chain operations in achieving sustainable development goals are examined. Upon successful completion of the course, the student will be able to:</p> <ol style="list-style-type: none"> 1. explain the structure, components and specifics of agricultural and food supply chains 2. applies modern approaches, tools and methods in supply chain management 3. implements a systemic and holistic approach to supply chain management <p>compares alternatives in supply chain design and operation</p> <p>General Competences</p>

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology	Project planning and management
Adapting to new situations	Respect for difference and multiculturalism
Decision-making	Respect for the natural environment
Working independently	Showing social, professional and ethical responsibility and sensitivity to gender issues
Team work	Criticism and self-criticism
Working in an international environment	Production of free, creative and inductive thinking
Working in an interdisciplinary environment
Production of new research ideas	Others...

At the end of this course the student will have further developed the following general skills:
Search, analysis and synthesis of data and information, also using the necessary technologies
Adaptation to new situations
Decision making
Autonomous work
Teamwork
Generating new research ideas
Respect for the natural environment
Exercise criticism and self-criticism
Promotion of free, creative and inductive thinking

3. SYLLABUS

1. Operations management and supply chain management 3
2. Supply chain and value chain 3
3. Supply management 3
4. Inventory management 3
5. Storage 3
6. Freight transport 3
7. Distribution channels, order management and customer service 3
8. Supply chain planning issues (capacity and location of facilities) 3
9. Supply chain planning issues (transportation) 3
10. Extended supply chain – Circular economy – Sustainable development 3
11. Modern modeling and analysis tools 3
12. Presentations of group work – Exam preparation
12. Legal framework for the production of genetically modified organisms and food (National/European).
13. Ethical issues of Food Biotechnology.

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face to face deliveries.	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	<ul style="list-style-type: none"> • Use of ICT (power point) in Teaching • Use of ICT (power point) in Laboratory Training • Video presentation • Use of ICT in Communication with students (Learning process support through the electronic platform e-class). 	
TEACHING METHODS	Activity	Semester workload
	Lectures	39

<p><i>The manner and methods of teaching are described in detail. Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc. The student's study hours for each learning activity are given as well as the hours of non directed study according to the principles of the ECTS</i></p>	Tutorials	26
	Study and literature survey	20
	Exams	10
	Unguided study	30
	Course total	125
<p>STUDENT PERFORMANCE EVALUATION</p> <p><i>Description of the evaluation procedure Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i></p> <p>1</p>	<p>1. The main assessment criteria focus on understanding and correlating the knowledge that students gain from the course with knowledge from other courses.</p> <p>The evaluation is continuous and dynamic. It mainly includes short project work, solving problems or answering open questions. Exams are conducted orally or in writing or a combination of the two, with or without pre-examination of the key topics of the course, with or without progressions and by other inventive methods, depending on the dynamics and the needs of the audience</p>	

5. RECOMMENDED LITERATURE in Greek

<ol style="list-style-type: none"> 1. Chopra, S. & Meindl, P. (επιμέλεια Ανδρουτσόπουλος, Κ. & Μαντάς, Μ.) (2020). Διοίκηση 2. Εφοδιαστικής Αλυσίδας. Θεσσαλονίκη: Τζιόλα. 3. • Christopher, M. (επιμέλεια Βλάχος, Δ.) (2017). Logistics και Διαχείριση Εφοδιαστικής Αλυσίδας. 4. Αθήνα: Κριτική. 5. • Harrison, A. & van Hoek, R. (επιμέλεια Γιαννακόπουλος, Δ. & Μοσχούρης Σ.) (2021). Logistics 6. Μάνατζμεντ και Στρατηγική. Αθήνα: Rosili.

7. • Heizer, J., Render, B., & Munson, C. (επιμέλεια Τσιότρας, Γ.) (2020). Διοίκηση Λειτουργιών.
8. Λευκωσία: Broken Hill.
9. • Jacobs, F.R. & Chase, R.B. (επιμέλεια Ασκούνης, Δ., Μαρινάκης, Ι. & Νεάρχου, Α.) (2011). Διοίκηση
10. Λειτουργιών και Εφοδιαστικής Αλυσίδας. Λευκωσία: Broken Hill.
11. • Αχίλλας, Χ., Μπόχτης, Δ., Αηδόνης, Δ. & Φωλίνας, Δ. (2020). Αειφόρες εφοδιαστικές αλυσίδες.
12. Αθήνα: Κριτική.
13. • Δημητριάδης, Σ.Γ. & Μιχιώτης, Α.Ν. (2020). Διοίκηση παραγωγικών συστημάτων. Αθήνα: Κριτική.