

COURSE OUTLINE

(1) GENERAL

SCHOOL	School of Engineering		
ACADEMIC UNIT	Department of Financial and Management Engineering		
LEVEL OF STUDIES	Postgraduate		
COURSE CODE	II-7	SEMESTER	B
COURSE TITLE	Supply Chain Management		
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
<i>Credits are awarded for the whole of the course</i>		3	10
<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>	Choice Obligatory		
PREREQUISITE COURSES:	No		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)			

(2) LEARNING OUTCOMES

Learning outcomes <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.</i> Consult Appendix A • Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area • Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B • Guidelines for writing Learning Outcomes
By completing this module, each student will be able to: ○ Understand the fundamental principles in the management of supply chains with emphasis on planning and execution processes ○ Understand the importance of outsourcing and how to select 3rd party logistics providers ○ Understand the basic principles for the procurement and warehousing of raw materials as well as the methodologies for stock control

- Select the most suitable mean for transporting and delivering of goods
- Evaluate and make use of emerging technologies for managing information flow in supply chain networks

General Competences

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?

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

- Decision making
- Team work
- Search for, analysis and synthesis of data
- Application of optimization methods and techniques
- Choose and assess of operations tools for supply chain operations
- Production of free, creative and inductive thinking

(3) SYLLABUS

Lecture	Lecture Title
1	Fundamentals of Supply Chains & Customer Service
2	Demand Forecasting methods
3	Inventory Control
4	Procurement & Purchasing
5	Warehousing and packaging
6	Freight Transportation
7	Routing & Scheduling
8	Telematics in logistics applications
9	Radio Frequency Identification (RFID)

(4) TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Distance learning	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	Use of ICT in teaching and communication with students	
TEACHING METHODS <i>The manner and methods of teaching are described in detail.</i> <i>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.</i> <i>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>	Activity	Semester workload
	Lectures	30
	Self-study	60
	Case studies	57
	Team project	50
	Non-directed study	50
	Final exam	3
	Course total	250
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>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</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>		
	Evaluation type	Percentatge (%)
	Final exams	80%
	Team project	20%
	Total	100%
The evaluation criteria described above are available in the webpage of the course		

(5) ATTACHED BIBLIOGRAPHY

Suggested bibliography:

- Ballou, R.H. (2004) "Business Logistics/Supply Chain Management", Fifth Edition, Prentice Hall, Englewood Cliffs, New Jersey

Related academic journals:

- Minis, I., Zeimpekis, V., Dounias, G., Ampazis, N. (Eds.) (2011) Supply Chain Optimization, Design and Management: Advances and Intelligent Methods, IGI Global Publishing, ISBN: 978-1-61520633-9
- Stock, J.R., Lambert D.M. (2000), "Strategic Logistics Management", Irwin, UK
- Rushton, A., Oxley, J., Croucher, P. (2000) "The Handbook of Logistics & Distribution Management", Second Edition, The Institute of Logistics & Transport
- Zeimpekis, V., Tarantilis, C.D., Giaglis, G.M., Minis, I. (Eds.) (2007) "Dynamic Fleet Management: Concepts, Systems, Algorithms and Case Studies", Operations Research/Computer Science Interfaces Series, Springer, New York, US