

COURSE MODULE OUTLINE

General information

SCHOOL	School of Social Sciences		
PROGRAM COURSE	Supply Chain Management		
LEVEL OF STUDY	MSc Program		
COURSE UNIT CODE	SCM02	Year of Study	1 st
COURSE TITLE	Logistics Systems		
INDEPENDENT TEACHING ACTIVITIES <i>in case credits are awarded for separate components/parts of the course, e.g. in lectures, laboratory exercises, etc. If credits are awarded for the entire course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
Weekly Workload: 21-22 hours x 13 weeks		21-22	10
<i>Add rows if necessary. The organization of teaching and the teaching methods used are described in detail under section 4</i>			
COURSE TYPE Compulsory, Optional, Optional mandatory	Background Knowledge, Compulsory		
PREREQUISITE COURSES:	There are no prerequisite courses		
LANGUAGE OF INSTRUCTION AND EXAMS:	English		
THE COURSE IS OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)	https://www.eap.gr/education/postgraduate/biannual/supply-chain-management/topics/#d2 Each module has its own space in the Learning Management System of EAP (http://study.eap.gr), with controlled access (use of code) for students and teaching staff. https://courses.eap.gr/course/view.php?id=391		

(2) LEARNING OUTCOMES

Learning Outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate (certain) level, which students will acquire upon successful completion of the course, are described in detail. It is necessary to consult:

APPENDIX A

- *Description of the level of learning outcomes for each level of study, in accordance with the European Higher Education Qualifications' Framework.*
- *Descriptive indicators for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and*

APPENDIX B

Guidelines for writing Learning Outcomes

Upon the successful completion of the module students will be able to:

- analyze the processes of managing distribution systems
- apply forecasting models, optimal inventory policies, warehouse management techniques, supplier selection and location selection models to meet distribution requirements,
- identify the different modes of transport and handling of products

General Competences

Taking into consideration the general competences that students/graduates must acquire (as those are described in the Diploma Supplement and are mentioned below), at which of the following does the course attendance aim?

<i>Search for, analysis and synthesis of data and information by the use of appropriate technologies,</i>	<i>Project planning and management</i>
<i>Adapting to new situations</i>	<i>Respect for diversity and multiculturalism</i>
<i>Decision-making</i>	<i>Environmental awareness</i>
<i>Individual/Independent work</i>	<i>Social, professional and ethical responsibility and sensitivity to gender issues</i>
<i>Group/Team work</i>	<i>Critical thinking</i>
<i>Working in an international environment</i>	<i>Development of free, creative and inductive thinking</i>
<i>Working in an interdisciplinary environment (Other.....citizenship, spiritual freedom, social awareness, altruism etc.)</i>	
<i>Introduction of innovative research</i>	

Search for, analysis and synthesis of data and information by the use of appropriate technologies
 Adapting to new situations
 Decision-making
 Individual/Independent work
 Working in an international environment
 Working in an interdisciplinary environment
 Critical thinking
 Development of free, creative and inductive thinking

(3) COURSE CONTENT

Introduction to logistics and distribution
Channels of distribution
Key issues and challenges for logistics and the supply chain
Demand forecasting
Planning framework for logistics; Logistics processes
Supply chain segmentation; Logistics costs and trade-off analysis
Logistics network planning
Procurement and supply
Inventory management with deterministic demand
Inventory management with stochastic demand
Principles of warehousing; Warehouse management and information
Outsourcing: the selection process

(4) TEACHING METHODS--ASSESSMENT

MODES OF DELIVERY <i>Face-to-face, in-class lecturing, distance teaching and distance learning etc.</i>	Synchronous and Asynchronous Distance Learning with three Group Counseling Meetings (OSS) during the academic year on weekends.	
USE OF INFORMATION AND COMMUNICATION TECHNOLOGY <i>Use of ICT in teaching, Laboratory Education, Communication with students</i>	In the specific module, ICT is being used in teaching, Education and Communication with students Specifically, it is used : Remote meetings tools (webex), Presentation software (e.g. power point), Additionally, the students use office automation tools, web browsers and e-reader for digital books.	
COURSE DESIGN <i>Description of teaching techniques, practices and methods: Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, Internship, Art Workshop, Interactive teaching, Educational visits, projects, Essay writing, Artistic creativity, etc.</i> <i>The study hours for each learning activity as well as the hours of selfdirected study are given following the principles of the ECTS.</i>	Activity/Method	Semester workload
	3 Group Counseling Meetings (x 4 hours)	12
	Multiple choice activities (15 x 2 hours)	30
	2 Short Written Assignments (2x10 hours)	20
	1 Written Assignment (1 x 15 hours)	15
	Final Examination	3
	Personal Study	193-260
	Total	273-286

<p>STUDENT PERFORMANCE EVALUATION/ASSESSMENT METHODS</p> <p><i>Detailed description of the evaluation procedures:</i></p> <p><i>Language of evaluation, assessment methods, formative or summative (conclusive), multiple choice tests, short- answer questions, open-ended questions, problem solving, written work, essay/report, oral exam, presentation, laboratory work, other.....etc.</i></p> <p><i>Specifically defined evaluation criteria are stated, as well as if and where they are accessible by the students.</i></p>	<p>Language of evaluation: English</p> <p>Assessment methods: Multiple choice tests, Short-answer questions, Open-ended questions Problem solving, Written assignments</p> <p>Two (2) Short Written Assignments, with weighting factor to the class unit's final grade 10% each.</p> <p>One (1) Semester Assignment with weighting factor to the class unit's final grade 20%.</p> <p>Assignments' grades are included in the calculation of the overall Modules' grade only if they sum to at least 50% of the sum of what is potentially excellent from all assignments, at least to assignments have been submitted and the final or resit examination grade is at least equal to 5. Written examination's grade accounts for the 60% of the overall modules grade.</p> <p>All criteria are explained in each module's webpage, as well as in the programme's study regulations page https://www.eap.gr/education/study-regulations/.</p>
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(5) SUGGESTED BIBLIOGRAPHY:

-Suggested bibliography

- Rushton, A., Croucher, P., & Baker, P. (2017). *The Handbook of Logistics and Distribution Management*. Kogan Page.
- Ghiani, G., Laporte, G., & Musmanno, R. (2013). *Introduction to logistics systems management* (pp. 1-18). John Wiley & Sons.

-Related scientific Journals

- Computers and Industrial Engineer
- Computers and Operations Research
- Decision Sciences
- European Journal of Operational Research
- International Journal of Logistics Management
- International Journal of Logistics Research and Applications
- International Journal of Operations and Production Management
- International Journal of Physical Distribution and Logistics Management
- International Journal of Production Economics
- International Journal of Production Research
- Journal of Business Logistics
- Journal of Purchasing and Supply Management
- Journal of Supply Chain Management
- Naval Research Logistics
- Omega
- Operations Research
- OR Spectrum
- Production and Operations Management
- Supply Chain Management
- Transport reviews
- Transportation
- Transportation Research, Parts A-E
- Transportation Science