

COURSE OUTLINE

(1) GENERAL

SCHOOL	SCHOOL OF BUSINESS		
ACADEMIC UNIT	DEPARTMENT OF SHIPPING, TRADE AND TRANSPORT		
LEVEL OF STUDIES	POSTGRADUATE (MSc) "MBA in Shipping"		
COURSE CODE	12051-10	SEMESTER	2 nd Semester
COURSE TITLE	MARITIME LOGISTICS AND INTERMODALITY		
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
		3	4
Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	SPECIAL BACKGROUND		
	ELECTIVE		
PREREQUISITE COURSES:	NONE		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	ENGLISH		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	YES		
COURSE WEBSITE (URL)	https://www.stt.aegean.gr/mba-in-shipping/programma-mathimaton/		

(2) LEARNING OUTCOMES

<p>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></p> <p>Consult Appendix A</p> <ul style="list-style-type: none"> • 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
<p>At the end of lectures students should be able:</p> <ul style="list-style-type: none"> • To proceed to the analysis, planning, development, organization and optimization of integrated transport systems and logistics chains, including all transport modes • To deal with strategic issues of transport and logistics • To face with complicated operational problems of transport chains • To understand, organize and optimize the role of maritime transport in logistics chains • To contribute to infrastructure planning • To assess and evaluate transport projects, with emphasis on terminal facilities, Freight Villages and Logistics Centers
<p>General Competences <i>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></p> <p><i>Search for, analysis and synthesis of data and information, Project planning and management</i></p>

<i>with the use of the necessary technology</i> <i>Adapting to new situations</i> <i>Decision-making</i> <i>Working independently</i> <i>Team work</i> <i>Working in an international environment</i> <i>Working in an interdisciplinary environment</i> <i>Production of new research ideas</i>	<i>Respect for difference and multiculturalism</i> <i>Respect for the natural environment</i> <i>Showing social, professional and ethical responsibility and sensitivity to gender issues</i> <i>Criticism and self-criticism</i> <i>Production of free, creative and inductive thinking</i> <i>.....</i> <i>Others...</i> <i>.....</i>
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The course aims at understanding and providing in-depth knowledge for analysing, planning and evaluating the performance of "door-to-door" transport chains and logistics networks through an integrated approach. The course investigates the driving forces of transport systems' organisation; it considers all transport modes and adopts an inter-disciplinary approach for the analysis of the transport market structure on the one hand and the decision-making procedures for modal choice and transport flow organisation on the other. The course particularly focuses on the maritime leg of intermodal logistics chains and maritime logistics at various levels. The course deals with various components of a transport system, such as infrastructure, transport means, transport and logistics operations. It combines methodological tools related to transport economics, demand modelling, strategic and operational logistics, transport policy, based on both quantitative methods and qualitative approaches.

(3) SYLLABUS

<p>1. Introductory unit</p> <ul style="list-style-type: none"> • Definitions • Integrated logistics chains • Intermodal transport and Logistics: from "port-to-port" to "door-to-door". • Actors involved • Transport modes and transport means • Transport market structure and trends • Transport market segmentation <p>Transport systems</p> <ul style="list-style-type: none"> • Methodologies and models • Modal choice and Modal split • Traffic flows and traffic patterns • Institutional framework and Transport Policy • External costs <p>Maritime Logistics</p> <ul style="list-style-type: none"> • Strategies in shipping • Hinterland strategies • Own account and outsourcing strategies • Partner selection
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<p>Intermodal transport (1)</p> <ul style="list-style-type: none"> • The need for the promotion of Intermodality • Users' requirements • Demand analysis • Supply characteristics • Cost analysis • Quality requirements in intermodal transport <p>Intermodal transport (2)</p> <ul style="list-style-type: none"> • Rail-road • Short Sea Shipping • Trans-European Transport Networks • Decision-making process in Intermodal transportation <p>Intermodal terminals and Logistics Centers</p> <ul style="list-style-type: none"> • Terminal operations • Terminal typology: Hub and spokes, Gateways etc • Freight Villages • Terminal and Freight Village planning, traffic forecasting, financial assessment, economic evaluation
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(4) TEACHING and LEARNING METHODS - EVALUATION

<p>DELIVERY <i>Face-to-face, Distance learning, etc.</i></p>	Lectures, Seminars, Round tables.	
<p>USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i></p>	YES	
<p>TEACHING METHODS <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>	<p>Activity</p>	<p>Semester workload</p>
	Lectures	18
	Study and analysis of bibliography	68
	Analysis of case-studies	34
	Course total	120
<p>STUDENT PERFORMANCE EVALUATION <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>	<ul style="list-style-type: none"> • Final exam 100% 	

(5) ATTACHED BIBLIOGRAPHY

- *Suggested bibliography:*

- *Related academic journals:*

Course bibliography consisting in a big number of scientific articles, policy documents, reports and other supporting documents