

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	12051-06	SEMESTER	2 nd Semester (spring)
COURSE TITLE	SHIPS’ OPERATION		
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>	Specialized knowledge		
PREREQUISITE COURSES:	MARITIME ECONOMICS, MANAGEMENT OF MARITIME COMPANIES		
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 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.</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
<ul style="list-style-type: none"> • know the particularities of managing ships as production units of shipping companies • To understand the impact of the special characteristics of ships and cargoes. • to analyze the effects of developments in the institutional framework of shipping regarding shipboard management/cargo handling • To distinguish the ways of connecting the various operation of the shipping company with the production process of the maritime transport service • To choose a system of criteria for the optimization of the operation of shipping companies • To analyze the impact of new data and standards related to quality management in the operation of the shipping management.
<p>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?</p> <p>Search for, analysis and synthesis of data and information, Project planning and management</p>

with the use of the necessary technology Adapting to new situations Decision-making Working independently Team work Working in an international environment Working in an interdisciplinary environment Production of new research ideas	Respect for difference and multiculturalism Respect for the natural environment Showing social, professional and ethical responsibility and sensitivity to gender issues Criticism and self-criticism Production of free, creative and inductive thinking Others...
<p>At the end of the module, students should possess the following competences and skills in the field of ships, operation:</p> <ul style="list-style-type: none"> • provide the fundamental principles of the specific characteristics on the operational management of shipping companies • to analyse the main relation connecting the operation of shipping companies focusing on the characteristics of the ship and the particularities of the cargoes carried by • explain the impact of shipping particularities on shipping companies' operation • examine the impact of institutional framework changes on ships' operation • analyse and specify the principles of quality management in shipping 	

(3) SYLLABUS

<ol style="list-style-type: none"> 1. Introduction to Maritime Operations. 2. Ship / cargo Matching. Ship Organization. Shore management structure 3. Characteristics of Specialized capacities. 4. Flag Selection criteria / classification societies / P & I Clubs/Agents 5. Crew manning/Selection criteria/ training/ health/evaluation 6. Safety and Quality/Risk assessment/ Near miss reporting/Security 7. Management of surveys on board and ashore 8. Emergencies and response. Ship shore cooperation 9. Salvage of own ship or the other ship in imminent danger. The role of the master 10. New technologies and ships' operation 11. Institutional operating framework in maritime industry 12. Ship-cargo-Carrier-Shipper: key elements of the charter agreement. 13. Freight index. The case of worldscale 14. The fixing procedure 15. Compliance with load line convention throughout the intended voyage 16. Voyage estimation 17. Arrival at port /Notice of readiness /Bill of lading 18. Laytime/Laytime calculation /Case study 19. Cargo handling from loading throughout the voyage to cargo delivery.
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(4) TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Lectures, living labs, presentation of developments in ships' operation revealed from breaking news in shipping.
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY	YES

Use of ICT in teaching, laboratory education, communication with students																			
<p>TEACHING METHODS</p> <p>The manner and methods of teaching are described in detail.</p> <p>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.</p> <p>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</p>	<table border="1"> <thead> <tr> <th>Activity</th> <th>Semester workload</th> </tr> </thead> <tbody> <tr> <td>Lectures</td> <td>18</td> </tr> <tr> <td>Study and analysis of bibliography</td> <td>27</td> </tr> <tr> <td>Case study solving</td> <td>30</td> </tr> <tr> <td>Non-directed study</td> <td>30</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>Course total</td> <td>105</td> </tr> </tbody> </table>	Activity	Semester workload	Lectures	18	Study and analysis of bibliography	27	Case study solving	30	Non-directed study	30							Course total	105
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<p>STUDENT PERFORMANCE EVALUATION</p> <p>Description of the evaluation procedure</p> <p>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</p> <p>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</p>	<ul style="list-style-type: none"> ● Final exam (1000%) <ul style="list-style-type: none"> ○ Multiple choice ○ Short-answered questions ○ Essay (case study analysis) 																		

(5) ATTACHED BIBLIOGRAPHY

<p>- Suggested bibliography:</p> <p>“SHIP MANAGEMENT” John Spruyt, (1994) Lloyds’ of London Press ISBN 185044532X</p> <p>“MANAGING SHIPS” John Downard, (1991), Fairplay Publications ISBN 0 905 045 599</p> <p>PandI clubs circulars</p> <p>- Related academic journals (indicative):</p> <p>Journal of Shipping</p> <p>Maritime Economics and Logistics</p>
