

COURSE OUTLINE

(1) GENERAL

SCHOOL	School of Economics, Business and International Studies		
ACADEMIC UNIT	Department of Economics		
LEVEL OF STUDIES	Graduate		
COURSE CODE	ΕΔΟΠ23	SEMESTER	1st
COURSE TITLE	Transport and Maritime Economics		
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	6
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, specialised		
PREREQUISITE COURSES:	NO		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	GREEK		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	YES		
COURSE WEBSITE (URL)	https://eclass.unipi.gr/courses/		

(2) LEARNING OUTCOMES

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.

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

The course focuses on the optimisation of the allocation of wealth-producing resources and of the resources within the transport sector alike in light of the emerging sustainability requirements. City, land, road, rail, aerial as well as maritime transports are covered. Key peculiarities of the Transport as a commodity are explained and the challenges the development of the transport industry faces ahead are explored in depth. Case studies across the spectrum of the transport industry are presented.

Upon the completion of the course, students are expected:

knowledge:

- ✓ to understand the basic economic principles governing transportation economics
- ✓ to realise and understand the major challenges the future development of the transport industry is facing, especially in light of the set out sustainability goals

ability:

- ✓ to use their knowledge to model and solve economic problems related to transportation economics under the current and future regulatory and sustainability constraints
- ✓ to set out policy for the development of the transport industry in an eco-friendly way

responsible and autonomous thinking:

- ✓ to communicate the results of their analysis with precision and clarity to both specialised and non-specialised audiences alike

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>

- Fostering free, creative and inductive thinking
- Carrying out analysis in a multiparameter environment
- Analysis driven decision making
- Working both independently and in teams
- Critical thinking

(3)SYLLABUS

Specifically, the course will cover :

- ✓ Economics, transport and sustainability
- ✓ Demand, supply and elasticities
- ✓ Internal cost of transport services
- ✓ External cost. Ways of evaluating external cost in maritime transport
- ✓ Costing and cost pricing of transport services
- ✓ Internalisation of the external cost
- ✓ Regulation, European policy and competition
- ✓ Chartering
- ✓ Technological developments and choice of capacity
- ✓ Investment, planning and envisaging challenges

(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 I.C.T in teaching • Use of MSTeams and e-class for the communication with the students and the provision of teaching material							
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.</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	91						
	Project(s)	30						
	Study	27						
	Exams	10						
Course total	158							
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>	<table><tr><td>Team project / preentation</td><td>60%</td></tr><tr><td>Final written exams</td><td>40%</td></tr><tr><td>Total</td><td>100%</td></tr></table> The student performance evaluation will be based on individual or team project students will be assigned and the taking of a final written exam in Greek at the end of the term. The evaluation criteria will be made known to the students during the course lectures and via the e-page of the course on eclass.		Team project / preentation	60%	Final written exams	40%	Total	100%
Team project / preentation	60%							
Final written exams	40%							
Total	100%							

(5)ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

- Lecturer's lecture notes and transparencies
- Ε. Σαμπράκος, Εισαγωγή στην Οικονομική των Μεταφορών, Γ' Έκδοση (2013), Αθήνα
- IISD, International Institute for Sustainable Development 2021, <https://www.iisd.org/system/files/2021-05/still-one-earth-sustainable-transport.pdf>
- UNECE, Transport and the Sustainable Development Goals, <https://unece.org/transport-and-sustainable-development-goals-1>
- SLOCAT Transport and Climate Change Global Status Report 2023, <https://tcc-gsr.com/wp-content/uploads/2023/09/SLOCAT-Transport-Climate-and-Sustainability-Global-Status-Report-%E2%80%933rd-Edition.pdf>
- MAN Energy Solutiouns, Basic Principles of Ship Propulsion 2018
- ABS, PATHWAYS TO SUSTAINABLE SHIPPING, 2022

https://sustainableworldports.org/wp-content/uploads/ABS_2020_Pathways-to-sustainable-shipping-report.pdf

- Center for Zero Carbon Shipping, The role of energy efficiency regulations, 2023 https://cms.zerocarbonshipping.com/media/uploads/documents/Energy_Efficiency_v9.pdf
- UNCTAD Review of Maritime Transport, 2023 <https://unctad.org/publication/review-maritime-transport-2023>
- DNV, *Energy Transition Outlook, Maritime Forecast to 2050*, <https://www.dnv.com/maritime/publications/maritime-forecast-2023/index.html>