

COURSE OUTLINE

(1) GENERAL

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| SCHOOL | OF BUSINESS | | |
| ACADEMIC UNIT | DEPARTMENT OF SHIPPING, TRADE AND TRANSPORT | | |
| LEVEL OF STUDIES | UNDERGRADUATE | | |
| COURSE CODE | ΔΙ0002 | SEMESTER | 6 th |
| COURSE TITLE | LOGISTICS | | |
| INDEPENDENT TEACHING ACTIVITIES | | WEEKLY TEACHING HOURS | CREDITS |
| | | 3 | 5 |
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| COURSE TYPE | SUBJECT AREA COURSE | | |
| PREREQUISITE COURSES: | NONE | | |
| LANGUAGE OF INSTRUCTION and EXAMINATIONS: | GREEK | | |
| IS THE COURSE OFFERED TO ERASMUS STUDENTS | NO | | |
| COURSE WEBSITE (URL) | https://eclass.aegean.gr/courses/TNEY281/ | | |

(2) LEARNING OUTCOMES

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| Learning outcomes |
| <p>At the end of lectures students should be able:</p> <ul style="list-style-type: none"> To proceed to the analysis of freight transport and logistics markets and strategies of actors involved To deal with strategic and policy issues of logistics To proceed to planning, development, organization and optimization processes of integrated logistics chains, including all transport modes and market segments To face with complicated operational problems of logistics <p>To contribute to the planning of dedicated logistics infrastructure and facilities (Distribution Centers, Freight Villages etc)</p> |
| General Competences |
| <p>The course aims at an in depth understanding of the role, market structure and activities related to Freight Transport and Logistics systems. It provides knowledge at both the strategic and operational level. It refers to all transport modes and the inter-relationships between transport operations and logistics activities along the supply chains. It offers methodological tools for planning, organizing and evaluating the performance of logistics networks. Emphasis is also given on the evolution of the logistics concepts and its increasing role and impact on the achievement of sustainable mobility challenges.</p> |

(3) SYLLABUS

- Terminology
- Freight transport, Logistics and Distribution Channels
- Door-to-door integrated transport chains and Logistics
- The evolution of the concepts and role of Logistic in the production and distribution process
- Evolution of the related institutional framework; European Policy, National and Local policies
- Principles of transportation systems analysis
- Analysis of the Freight Transport market
- Distribution channels: actors involved and strategies
- Demand analysis, logistics requirements of users
- New trends in logistics
- Regional planning of logistics systems, operational planning of firms
- Quantitative methods for logistics optimisation
- Models: modal choice, routing, inventory management, flow and fleet management
- Decision making process for own account or outsourcing to 3rd Party logistics providers
- Spatial organization of logistics-location models
- Intermodal transport
- Planning and assessment of Logistics Centers and freight Villages
- Logistics and sustainable growth
- Urban logistics: policies and practices

(4) TEACHING and LEARNING METHODS - EVALUATION

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| DELIVERY | Theoretical lectures, exercises, presentation of case studies | |
| USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY | YES | |
| TEACHING METHODS | <i>Activity</i> | <i>Semester workload</i> |
| | Theoretical lectures | 39 |
| | Case studies | 6 |
| | Seminars | 6 |
| | Study and analysis of bibliography | 70 |
| | Research project | 16 |
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| | Course total | 137 |
| STUDENT PERFORMANCE EVALUATION | <ul style="list-style-type: none"> • Evaluation of working papers • Final exam | |

(5) ATTACHED BIBLIOGRAPHY

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| <p>- <i>Suggested bibliography:</i></p> <p>- <i>Related academic journals:</i></p> <p>A) Principal References:</p> <ul style="list-style-type: none"> • Christopher Martin (2007), Logistics and supply chain management, Eds Kritiki • Vidalis, Michael (2009), Logistics: a quantitative approach, Eds Kleidarithmos. <p>B) Additional References: Scientific papers, official documents and other supporting documents</p> |
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