**COURSE OUTLINE**

## 1. GENERAL

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|---|---|---|---|
| **SCHOOL** | APPLIED ECONOMIC AND SOCIAL SCIENCES | | |
| **ACADEMIC UNIT** | AGRIBUSINESS AND SUPPLY CHAIN MANAGEMENT | | |
| **LEVEL OF STUDIES** | *Undergraduate* | | |
| **COURSE CODE** | **5911** | **SEMESTER** | 9th |
| **COURSE TITLE** | ECONOMICS OF TRANSPORTATION | | |

| **INDEPENDENT TEACHING ACTIVITIES** | **WEEKLY TEACHING HOURS** | **CREDITS** |
|---|---|---|
| Lectures | 4 | 5 |

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| **COURSE TYPE** | Specialized-Skills Development |
| **PREREQUISITECOURSES** | NO |
| **LANGUAGE OF INSTRUCTION and EXAMINATIONS** | Greek |
| **IS THE COURSE OFFERED for ERASMUS STUDENTS?** | YES (in English) |
| **COURSE WEBSITE (URL)** | https://oeclass.aua.gr/eclass/ |

## 2. LEARNING OUTCOMES

**Learning Outcomes**

The aim of the course is:

The course deals with applied economics issues in transport and supply chains. The course focuses on the economic evaluation and monitoring of the development, management and operation of transport systems and networks. In addition, the configuration parameters of relevant investment plans are analysed.

**Upon successful completion of the course the student will be able to:**

- describe the factors that determine the demand for transport services
- understand how direct and indirect transportation and distribution costs are shaped
- analyse the problems of implementing business plans in the field of transportation and distribution systems
- assess economic analyses of the different modes of transport

assess the potential for investment in the transport sector

**General Competences**

Adapting to new situations

Decision-making

Working independently

Teamwork

Working in an international environment

Working in an interdisciplinary environment

Production of new research ideas Teamwork

Project planning and management

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

**3. SYLLABUS**

1. Introduction to basic concepts
2. Transport infrastructures and networks
3. Transportation and the national economy
4. Demand, supply and elasticities of transportation services (part A)
5. Demand, supply and elasticities of transportation services (part B)
6. Direct and indirect costs of transportation services
7. Pricing of transportation services
8. Investment in the transport sector
9. Design in the transport sector
10. National policy
11. Policy of the European Union
12. Case studies
13. Special topics

A combination of teaching and learning methods will be used, aiming at the active participation of the students and the practical application of the thematic units under examination; there will also be lectures using audiovisual media, discussions, and analyses of case studies on real business issues, experiential (group) activities, as well as projections of relevant videos. The students will also undertake an individual or group project. Furthermore, articles, audiovisual lecture materials, web links/addresses, useful information, case studies and exercises for further practice are posted in digital form on the AUA Open e-Class platform.

**4. TEACHING and LEARNING METHODS - EVALUATION**

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| **DELIVERY** | Face -to-face, Distance learning |
| **USE OF INFORMATION and COMMUNICATIONS TECHNOLOGY** | • Support of the learning process through the University's AUA Open eClass platform (integrated e-Course Management System) |

<table>
<tr><td></td><td>• Support of lectures using presentation software<br>• Use of audiovisual material<br>• Use of web applications<br><br>Communication with students: face to face at office hours, email, eclass platform</td></tr>
<tr><td>TEACHING METHODS</td><td>
<table>
<tr><th>Activity</th><th>Workload</th></tr>
<tr><td>Lectures (direct)</td><td>65</td></tr>
<tr><td>Writing paper/ papers</td><td>28</td></tr>
<tr><td>Independent Study</td><td>30</td></tr>
<tr><td>Advisory support</td><td>0,5</td></tr>
<tr><td>Exams</td><td>2</td></tr>
<tr><td>Course Total (Approximately 25 hours of workload per credit unit 125.5)</td><td>125,5 h</td></tr>
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<tr><td>STUDENT PERFORMANCE EVALUATION</td><td>The evaluation process is in the language that the course is taught (Greek or English) and consists of:<br>i. Compulsory written final examination at the end of the semester (weighting factor 70% at least) which may includes:<br>• Multiple choice questionnaires<br>• Open-ended questions<br>• Problem solving<br>• Oral examination<br>Evaluation criteria: correctness, completeness, clarity<br>ii. Optional written exam or essay during the semester (weighting factor 30%) which may includes:<br>• Multiple choice questionnaires<br>• Open-ended questions<br>• Problem solving<br>• Essay/report<br>• Oral examination<br>Evaluation criteria: correctness, completeness, clarity<br><br>Special learning difficulties:<br><br>Students with special learning difficulties in writing and reading (as they are certified and characterized by a competent body) are examined based on the procedure provided by the Department.<br><br>Specifically-Defined Criteria:</td></tr>
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| | The evaluation criteria are made known during the first lesson and are clearly stated on the course website and the AUA Open e-class platform. The answers to the exam questions are posted on the AUA Open e-Class platform after the exam. The students are allowed to see their exam paper after its grading (during the announced office hours) and receive explanations about the grade they received. |

## 5. ATTACHED BIBLIOGRAPHY

***Suggested Bibliography in Greek Language:***


- Boyer, K.D. (2005). *Οικονομική των Μεταφορών.* Αθήνα: Έλλην.
- Προφυλλίδης, Β. (2016). *Οικονομική των Μεταφορών.* Αθήνα: Παπασωτηρίου.
- Σαμπράκος, Ε. (2018). *Οικονομική των Μεταφορών.* Αθήνα: Βαρβαρήγου.


***Suggested Bibliography in English Language:***


- Button, K. (2010). Transport economics (3rd ed.). Edward Elgar Publishing.
- Small, K. A., & Verhoef, E. T. (2007). The economics of urban transportation. Routledge.
- Ortúzar, J. de D., & Willumsen, L. G. (2011). Modelling transport (4th ed.). Wiley.


**Related academic Journals:**

- Economics of Transportation
- International Journal of Logistics Economics and Globalisation
- Research in Transportation Economics

***Instructor's Notes***