

Course Profile – Department of Economics

Course Number: ECO 525	Course Title: Transportation Economics
Required/Elective: Elective	Pre/Co-requisites: -
Catalog Description: Application of economic analysis to planning & policy issues in transportation; consumer behavior; transport cost & supply models; market equilibrium; and current topics in transportation economics such as regulation-deregulation, taxation, subsidy, & other forms of government intervention; welfare economics and social cost pricing, privatization of transportation services.	Textbook / Required Material: Button, K. (2010). <i>Transport economics</i> . Cheltenham UK: Edward Elgar. Gomez-Ibanez, J., Tye, W., & Winston, C. editors (1999). <i>Essays in transportation economics and policy</i> . Washington DC USA: Brookings Institution Press. Button, K. & Reggiani A. editors (2011). <i>Transportation and economic development</i> . Northampton, MA: Edward Elgar Publishing. O’Sullivan, A. (2007). <i>Urban Economics</i> . New York, NY: McGraw-Hill. Small, K. & Verhoef E. T. (2007). <i>The Economics of Urban Transportation</i> . New York, NY: Routledge.
Course Structure / Schedule: (3+0+0) 3 / 7 ECTS	
Extended Description: Transportation issue, a significant topic in economy and social life, will be studied in the framework of economics theory. Economic analysis of transportation planning and policy will be thoroughly discussed. The basic theoretical focus of the course is market equilibrium of transportation using consumer and producer behavior and cost and supply models. In addition, class discussions will be held on current topics in transportation economics such as regulation-deregulation, taxation, subsidy, welfare economics and social cost pricing, privatization of transportation services.	
Design Content: None	Computer Usage: Required
<p>Course Outcome:</p> <p>By the end of this course, students will be able to</p> <ul style="list-style-type: none"> • Research/work on transportation economics using economic principles and tools, • Use a welfare economics or cost-benefit analysis approach to study theoretical issues and contemporary problems in transport both locally and abroad • Study transportation system processes and data using economic and financial reasoning. 	
Teaching Methods: Lectures, class discussion, video clips, slides	
Course Outline	
Week	Topic
1	Introduction

2	Introduction to Microeconomics: Consumer and Producer Theory, Market Equilibrium
3	Introduction to Transportation Economics
4	Transportation Demand Modelling
5	Transportation Costs
6	Transportation Services Pricing
7	Public Transportation: Organization and Finance
8	Cargo and Passenger Transportaion: Airlines
9	Cargo and Passenger Transportaion: Ports and Logistics
10	Transportation Forecasting: Theory and Models I
11	Transportation Forecasting: Theory and Models II
12	Urban Life and Transportation
13	Transportation and Economic Development
14	Current Issues in Transportation: Local and Global
15	Discussions and Presentations

Assessment Methods:

Discussion and Participation: 20%

Essays: %30

Exams: %50

Contribution of Course Learning Outcomes to Program Outcomes

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Student Work Load / ECTS:

Reading	72 hours
Lectures	15 hours
Class Discussion	35 hours
Essays	50 hours
Exams	3 hours
Total.....	175 Hours (25x7) 7 ECTS

Hazırlayan:

Son Revizyon Tarihi: