Course Syllabus

Code - Course Title	**İKT702 - Transportation Economics**
Course Type	II. SEMESTER
Laboratory + Practice	3+0
ECTS	**6.0**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	DR. ÖĞR. ÜYESİ ALİ BENLİ

Mode of Delivery	This course is conducted only in the form of interactive education.
Place of Delivery	Online
Used Educational Platforms	Online
Prerequisites	There is no prerequisite or co-requisite for this course.
Courses Recomended	There are no recommended courses.
Recommended Resources	Button, K. (2022). Transport economics (4th ed.). Edward Elgar Publishing. ISBN: 978-1-78643-566-8Badak, S. (2023). Transport economics, logistics and Turkey. Nobel Academic Publishing. ISBN: 978-625-397-333-9
Work Placement	Not Applicable
Aims of the Course	The aim of this course is to teach students the fundamental concepts, principles, and functioning of transport economics within the framework of economic science. Accordingly, it aims to provide an understanding of the applications of basic economic approaches regarding supply and demand equilibrium, production costs, and price formation within the transport sector. Within the scope of the course, the structure, characteristics, cost elements, and pricing methods of transport systems will be examined, with the goal of comparing different modes of transport in terms of their economic, environmental, and social impacts. Furthermore, it aims to evaluate the factors influencing the development of the transport sector, the problems encountered in the sector, and the proposed solutions to these problems. By analyzing Turkey's transport policies in line with international developments and sustainable development goals, the course aims to develop students' analytical thinking and policy evaluation skills regarding transport economics.

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Basic concepts:demand, asset-service, comsumption, production and production factors	
Week - 2		Supply, demand and equilibrium in economy	
Week - 3		Production costs: total, average and marginal costs	
Week - 4		Transportation economy: definition and functions of transportation	
Week - 5		Costs and general factors affect costs in transportation sector	
Week - 6		Formation of price in transportation sector: contract methods	

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 7		Formation of price in transportation sector: Tariffmethod	
Week - 8		Transportsectorsub-systems	
Week - 9		Properties of transportation sector	
Week - 10		Comparison of transportation systems	
Week - 11		conditions affect development of transportation sector	
Week - 12		problems of transportation sector and suggestions	
Week - 13		properties of transportation politics in Turkey	
Week - 14		evaluation of transportation politics in the World and in Turkey	

Learning Outcomes

#	Learning Outcome
1	explain basic concepts of economy, consumer behaviors and consumer balance.
2	define production theory and supply function
3	explain the characteristics and definition of Transportation Economy
4	conduct research about cost structure and pricing in transportation sector
5	explain market types and pricing by adopting the general characteristics to transportation sector in specific
6	define and compare sub systems of transportation sector
7	Explain the relationships and conflicts between transportation sector and other sectors

Sustainable Development Goals

✓ Accessible and Clean Energy ✓ Decent Work and Economic Growth ✓ Industry, Innovation and Infrastructure ✓ Reducing Inequalities ✓ Sustainable Cities and Communities ✓ Responsible Production and Consumption ✓ Climate Action

Course Theme

✓ Economics, Finance and Management ✓ Logistics and Supply Chain ✓ Sustainability and Green Energy ✓ Urban Planning, Transport and Smart Buildings

AKTS Workload

Activity	Duration (Hour)	Count	Workload
Teorik Derse Katılım	3.00	14	42
Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı)	5.00	14	70

AKTS Workload

Activity	Duration (Hour)	Count	Workload
Ödevler	0.00	0	0
Proje - Rapor - Sunum Hazırlama	0.00	0	0
Ara Sınav Hazırlığı (sınav süresi dahil)	18.00	1	18
Final Sınavı Hazırlığı (sınav süresi dahil)	18.00	1	18
Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.)	0.00	0	0
Staj Uygulaması	0.00	0	0
		Calculated ECTS	**6.0**

Assessment Method and Passing Requirements

✓ Multiple Choice Test