



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Transportation Systems							
Course Code		LGT201		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	6	Workload	148 (<i>Hours</i>)	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		Transport availability of different transportation methods, the chaotic nature of the systems, the technical and operating characteristics of the transport systems, with setting the optimum investment in the transport systems business have, sizes and forms of transportation systems, planning to teach and network restructuring.							
Course Content		Transport concept and its dimensions. The purpose of the transportation and the demand relationship. Transport modes (Shapes), modes of rivalry. In terms of cargo transport by sea, air, rail and transportation systems. Intermodal transport, Multimodal transport and combined transport concepts and the differences between them. The nature of transport terminals. Terminals and placement. Hinterland and Forland concept. The placement of the importance of the move. The concept of accessibility. The connectivity matrix. Transportation systems and networks. Distribution models, properties. The geography of transportation networks. Network networks classification. Network information models. A network data model to determine the route. As a production factor, transportation concept. Transport and spatial organization. Shimbil index. Gini coefficient. Geographic information systems for transportation (Gis-T).							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Case Study, Problem Solving					
Name of Lecturer(s)		Ins. Ayşenur ÖREN							

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading

1	Uluslararası Demiryolu Eşya Taşımacılığı - UTİKAD Yayınları
2	Uluslararası Taşımacılık Yönetimi - UTİKAD Yayınları

Week	Weekly Detailed Course Contents	
1	Theoretical	Transport concept and its dimensions. The purpose of the transportation and the demand relationship.
2	Theoretical	Transport modes (Shapes), modes of rivalry. In terms of cargo transport by sea, air, rail and transportation systems.
3	Theoretical	Transport modes (Shapes), modes of rivalry. In terms of cargo transport by sea, air, rail and transportation systems.
4	Theoretical	Intermodal transport, Multimodal transport and combined transport concepts and the differences between them.
5	Theoretical	The nature of transport terminals. Terminals and placement. Hinterland and Forland concept.
6	Theoretical	The placement of the importance of the move. The concept of accessibility. The connectivity matrix.
7	Theoretical	Transportation systems and networks. Distribution models, properties. The geography of transportation networks.
8	Theoretical	Transportation systems and networks. Distribution models, properties. The geography of transportation networks.
9	Theoretical	MidTerm Exam
10	Theoretical	Network networks classification. Network information models. A network data model to determine the route
11	Theoretical	Network networks classification. Network information models. A network data model to determine the route.
12	Theoretical	As a production factor, transportation concept. Transport and spatial organization.
13	Theoretical	Shimbil index. Gini coefficient. Geographic information systems for transportation (Gis-T).
14	Theoretical	Transportation systems and networks. Distribution models, properties. The geography of transportation networks.
15	Theoretical	General review



16	Theoretical	Final Exam
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Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	3	70
Lecture - Practice	14	3	0	42
Assignment	1	1	13	14
Midterm Examination	1	10	1	11
Final Examination	1	10	1	11
Total Workload (Hours)				148
[Total Workload (Hours) / 25*] = ECTS				6

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Understand the nature of the transport systems, chaotic.
2	The availability of different transportation methods.
3	The purpose of the transportation demand and comprehends the relationship.
4	Competition among the transport types.
5	Intermodal transport, Multimodal transport and combined transport concepts and the differences between them and the advantages of these methods.
6	Between modes of transport, the concept of accessibility.
7	Transportation systems and networks.

Programme Outcomes (Logistics)

1	Understanding of the basics needed for the mobility of production and consumption of goods.
2	Provide warehouse and inventory management decisions.
3	To decide on the mode of transport and handling equipment to be used.
4	Logistics information systems benefit from the process of the realization of the activities.
5	To dominate the national and international legislation regulating the field of logistics.
6	Administration, management and marketing ideas and conducting.
7	Sensitivity to the requirements of professional ethics move
8	Idea about the conduct of national and international transport policies.
9	Having written and oral communication skills.
10	Current society and understand the world.

Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4	L5	L6	L7
P1	3	3	3	3	3	3	3
P2	4	4	4	4	4	4	4
P3	2	2	2	2	2	2	2
P4	2	2	2	2	2	2	2
P5	3	3	3	3	3	3	3
P6	2	2	2	2	2	2	2
P7	3	3	3	3	3	3	3
P8	3	3	3	3	3	3	3
P9	2	2	2	2	2	2	2
P10	1	1	1	1	1	1	1

