Course Syllabus

Code - Course Title	**ADY208U -**
Course Type	II. SEMESTER
Laboratory + Practice	0+0
ECTS	**5.0**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	Asst. Prof. Bekir Tuna KAYAALP, Ph.D.

Mode of Delivery	Distance Education
Prerequisites	There is no prerequisite or co-requisite for this course.
Courses Recomended	There is no recommended optional programme component for this course.
Work Placement	Not Applicable

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Transportation and its importance	
Week - 2		Transportation systems and transportation management	
Week - 3		Transportation and transportation infrastructure	
Week - 4		Transportation legal infrastructure and organisation	
Week - 5		Midterm practice 1	
Week - 6		Midterm practice 2	
Week - 7		Midterm exam	
Week - 8		Protection of critical transportation infrastructure informatics	
Week - 9		Resource planning and transportation	
Week - 10		Applications; scenarios and drills	
Week - 11		Applications; accident research and investigation	
Week - 12		Final exam practice 1	
Week - 13		Final exam practices 2	
Week - 14		Final exam	

Learning Outcomes

#	Learning Outcome
1	can define the concept of transportation; can explain the transportation sector, its importance and concepts; can explain Transportation Systems; can explain the importance of transportation sector activities in terms of logistics management; can explain the role of transportation-transport activities in disaster and emergency logistics; can explain the place of the transportation sector in national level intervention management.
2	can compare transportation systems; can list the advantages and weaknesses of transportation systems; can explain the place and use of transportation systems in disaster and emergency processes; can comprehend the importance of transportation systems in disaster and emergency processes; can explain the importance of access to transportation services in disasters and emergencies; can explain transportation management in disaster and emergency situations; can explain what needs to be done in the short and long term in the transportation management process in disaster and emergency situations.
3	can explain the concepts related to the road transport network structure and reveal the differences between them; can explain the concepts of highway infrastructure and superstructure elements and the functions of highway engineering structures; can explain the concepts and functions of railway infrastructure and superstructure elements; can explain the concepts and functions of airport elements; can explain the basic concepts and functions of ports and coastal facilities; can explain the relationship between disasters and transportation infrastructure.
4	can examine the basic concepts of disaster and emergency in terms of transportation; can define national and international legislation on disaster and emergency transportation; can reveal what needs to be done in the field of transportation in disaster and emergency situations; Ability to evaluate workflow and reporting outputs.
5	can explain the importance of information systems in transportation services; can summarize the types and characteristics of transportation information infrastructures; can explain the importance of cyber security in the transportation sector; can define the importance of critical infrastructures; can describe the relationship between the protection of critical infrastructures and national security; classifying cyber incidents in terms of actors and targets; can explain the relationship between disaster and emergency and cyber incident; can describe the cyber incident management in the transportation sector.
6	can evaluate the differences between the concepts related to resource planning; can explain the principles and procedures related to resource planning and management; can evaluate the relationship between the elements constituting resource planning; can exemplify the use of the Resource Inventory Information System.
7	can explain the scenario and drill concepts; can prepare the stages of the drill; can evaluate the differences between the types of drill; can evaluate the differences between the types of drills; can explain the legal basis of the drills; can identify the problems that may be encountered during the implementation phase; can implement a real-time exercise.
8	can explain the concepts of research and investigation and the basic concepts of accident investigation; can reveal the duties and responsibilities and the operations carried out in accident research and investigation; can comprehend the principles of accident research/investigation; can evaluate accident reports.

Sustainable Development Goals

No content has been provided.

Course Theme

No content has been provided.

AKTS Workload

Activity	Duration (Hour)	Count	Workload
Teorik Derse Katılım	0	0	0
Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı)	0	0	0
Ödevler	0	0	0
Proje - Rapor - Sunum Hazırlama	0	0	0
Ara Sınav Hazırlığı (sınav süresi dahil)	0	0	0
Final Sınavı Hazırlığı (sınav süresi dahil)	0	0	0
Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.)	0	0	0
Staj Uygulaması	0	0	0
		Calculated ECTS	**0**

Assessment Method and Passing Requirements

No content has been provided.

Assessment Method and Passing Requirements	Quamtity	Percentage (%)
1.Midterm Exam	1	30
Final Exam	1	70
	Sum (%)	**100**