

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
TRANSPORTATION of DANGEROUS GOODS	HVY3171110	Fall Semester	3+0	3	5
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	Turkish				
Course Level	First Cycle (Bachelor's Degree)				
Course Type	Elective				
Course Coordinator	Assoc.Prof. Mesut ÖZTIRAK				
Name of Lecturer(s)	Assoc.Prof. Mesut ÖZTIRAK				
Assistant(s)					
Aim	Aimed to ensure students to have knowledge about the transportation, packing and storage of dangerous goods with ADR, RID, IMDG, ADN, IATA(DGR) legislations and provide guidance to students who want to specialize in this subject.				
Course Content	This course contains; Identification and General Characteristics of Dangerous Goods Classes,Identification and General Characteristics of Dangerous Goods Classes,Identification and General Characteristics of Dangerous Goods Classes,Packing, Marking and Labeling of Dangerous Goods,Vehicles Used in the Transport of Dangerous Goods,Vehicles Used in the Transport of Dangerous Goods,Parties and Responsibilities Legal Regulations,The European Agreement concerning the International Carriage of Dangerous Goods-ADR,The International Maritime Dangerous Goods (IMDG) Code,Regulations concerning the Interanitorial Transport of Dangerous Goods by Rail,The Regulations of the Carriage of Dangerous Goods in the Rhine (ADNR),The International Air Transport Association (IATA) Dangerous Goods Regulations,Dangerous Goods Transport Documentation,Dangerous Goods Transport Documentation.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
1 - Will be able to define dangerous goods classes.			16, 9	A	
1.1 - Defines the dangerous goods.			16, 9	A	
1.2 - Classifies dangerous substances.			16, 9	A	
2 - Will be able to understand the basic concepts of dangerous goods transportation and its importance among other types of transportation.			16, 9	A	
2.1 - Knows the limitations of dangerous goods.			16, 9	A	
2.2 - Understands that there are dangerous goods exemption rules.			16, 9	A	
3 - Will be able to describe the packaging, marking and labeling processes of hazardous substances and the tools used in these processes.			16, 9	A	
3.1 - Knows the different vehicles used to carry dangerous goods in air, sea, railway and highways.			16, 9	A	
3.2 - Explains the different responsibilities of the parties in the packaging, marking and labeling processes.			16, 9	A	
4 - Will be able to explain the basic documents in the transportation of dangerous goods.			16, 9	A	
4.1 - Explains the columns in the dangerous goods book.			16, 9	A	
4.2 - Knows the shipper declaration form and transportation documents.			16, 9	A	
5 - Will be able to explain the acceptance, storage and aircraft loading processes of hazardous materials.			16, 9	A	
5.1 - Knows hazardous materials handling processes.			16, 9	A	
5.2 - Knows the parties involved in reporting and informing dangerous goods.			16, 9	A	
Teaching Methods	16: Question - Answer Technique, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	Identification and General Characteristics of Dangerous Goods Classes				
2	Identification and General Characteristics of Dangerous Goods Classes				
3	Identification and General Characteristics of Dangerous Goods Classes				
4	Packing, Marking and Labeling of Dangerous Goods				
5	Vehicles Used in the Transport of Dangerous Goods				
6	Vehicles Used in the Transport of Dangerous Goods				
7	Parties and Responsibilities Legal Regulations				
8	The European Agreement concerning the International Carriage of Dangerous Goods-ADR				
9	The International Maritime Dangerous Goods (IMDG) Code				
10	Regulations concerning the Interanitorial Transport of Dangerous Goods by Rail				
11	The Regulations of the Carriage of Dangerous Goods in the Rhine (ADNR)				
12	The International Air Transport Association (IATA) Dangerous Goods Regulations				
13	Dangerous Goods Transport Documentation				
14	Dangerous Goods Transport Documentation				
Evaluation Methods		Weight(%)			
Midterm Exam		40			
General Exam		60			

School of Business and Management Sciences / Aviation Management
2024 - 2025 Academic Year
TRANSPORTATION of DANGEROUS GOODS
Syllabus

Resources

- 1 - Hava Kargo ve Tehlikeli Maddeler (Air Cargo and Dangerous Goods), Anadolu Üniversitesi, 2016.
 - 2 - Tehlikeli Madde Lojistiği ve İş Güvenliği (Dangerous Goods Logistics and Work Safety), Anadolu Üniversitesi, 2016.
- Moving Boxes by Air, Morrell, P., Klein, T., Routledge, 2nd ed., 2019.
 - Dangerous Goods Regulation, IATA, 65th Ed., 2024.