

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
INTRODUCTION to CIVIL AVIATION	HVY1111007	Fall Semester	3+0	3	5
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	Turkish				
Course Level	First Cycle (Bachelor's Degree)				
Course Type	Required				
Course Coordinator	Assist.Prof. Özlem İLDAY				
Name of Lecturer(s)	Assist.Prof. Özlem İLDAY				
Assistant(s)					
Aim	To prepare the students for upcoming lessons by introducing fundamentals for their freshman year, to provide a holistic understanding of the issues involved in civil aviation, to introduce aviation terminology.				
Course Content	This course contains; Air Vehicles - Definition, Classification, Principles of Flight,Air Vehicles with Engines, Aircraft, Aircraft Main Components, Classification of Airplanes According to Usage,Aviation, Civil Aviation Activities, Economical Outcomes of Aviation,Aviation Personnel, Certification and Training,Havacılık Alfabetesi, Hava Aracı Milliyet ve Tescil, Havacılık Ölçü Birimleri,Airline Companies, Terminology, Classification,Management Organization, Income and Expenses of Airline Companies,Aircraft Maintenance, Airworthiness, Reliability, Safety and Maintenance Concepts,Maintenance types, Maintenance Organizations,Airports,Ground Handling,Air Traffic Management,Regulation of Civil Aviation Activities, International Legal Regulations,International Civil Aviation Organizations, Civil Aviation Regulations in Turkey.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
1 - Will be able to define the concept of aviation and aircraft,			10, 16, 9	A	
1.1 - Defines aircraft.			10, 16, 9	A	
1.2 - Classifies aircraft.			10, 16, 9	A	
1.3 - Explains the flight principles of aircraft.			10, 16, 9	A	
1.4 - Defines aviation.			10, 16, 9	A	
1.5 - Classifies and explains civil aviation activities.			10, 16, 9	A	
1.6 - Defines the qualifications and duties of aviation personnel.			10, 16, 9	A	
1.7 - Uses the aviation alphabet.			16, 6, 9	A	
1.8 - Recognizes the nationality and registration marks of aircraft.			16, 6, 9	A	
1.9 - Uses units of measurement used in aviation.			16, 6, 9	A	
2 - Will be able to explain airline operations and aviation activities,			10, 13, 16, 9	A	
2.1 - Classifies and defines commercial air transportation companies.			16, 9	A	
2.2 - Explains the units that should be present in the organizational structure of airline companies.			16, 9	A	
2.3 - Expresses the income and expenses of airline companies.			16, 9	A	
3 - Understands and can explain the requirements and reasons of aircraft maintenance.			16, 9	A	
3.1 - Defines the concepts of airworthiness, reliability, safety and maintenance.			16, 9	A	
3.2 - Explains why maintenance is performed on aircraft.			16, 9	A	
4 - Will be able to classify airports and explain their functions.			16, 9	A	
4.1 - Explains the functions of airports.			16, 9	A	
4.2 - Lists the systematic classification of airports.			16, 9	A	
4.3 - Explains the operational sections of airports.			16, 9	A	
4.4 - Explains the movements of aircraft and passengers at airports.			16, 9	A	
4.5 - Defines airport ground handling activities and sub-service branches and explains service processes.			16, 9	A	
5 - Will be able to explain the concept, scope and importance of air traffic management.			16, 9	A	
5.1 - Explains the duties of air traffic management components.			16, 9	A	
6 - Understands and can explain the reasons of civil aviation regulations,			10, 16, 9	A	
6.1 - Lists international regulations on civil aviation.			10, 16, 9	A	
6.2 - Explains international organizations that regulate civil aviation and their activities.			10, 16, 9	A	
Teaching Methods	10: Discussion Method, 13: Case Study Method, 16: Question - Answer Technique, 6: Experiential Learning, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam				
Lecture Schedule					
Sequenc e	Topics	Preliminary Preparation			
1	Air Vehicles - Definition, Classification, Principles of Flight				
2	Air Vehicles with Engines, Aircraft, Aircraft Main Components, Classification of Airplanes According to Usage				
3	Aviation, Civil Aviation Activities, Economical Outcomes of Aviation				
4	Aviation Personnel, Certification and Training				
5	Havacılık Alfabetesi, Hava Aracı Milliyet ve Tescil, Havacılık Ölçü Birimleri				
6	Airline Companies, Terminology, Classification				
7	Management Organization, Income and Expenses of Airline Companies				
8	Aircraft Maintenance, Airworthiness, Reliability, Safety and Maintenance Concepts				
9	Maintenance types, Maintenance Organizations				
10	Airports				
11	Ground Handling				

Lecture Schedule		
Sequence	Topics	Preliminary Preparation
12	Air Traffic Management	
13	Regulation of Civil Aviation Activities, International Legal Regulations	
14	International Civil Aviation Organizations, Civil Aviation Regulations in Turkey	
Evaluation Methods		Weight(%)
Midterm Exam		40
General Exam		60

Resources
Havacılığa Giriş - (Introduction to Aviation) Prof.Dr. Mustafa CAVCAR, Anadolu Üniversitesi Yayınları, 2015, ISBN: 978-975-06-1837-6
- Havacılığa Giriş (Introduction to Aviation) - Dr. Mehmet ÇOBAN - Nobel Akademik Yayıncılık, 2020, ISBN: 9786050332025
- Uluslararası Havacılığın Temelleri (Fundamentals of International Aviation) - Suzanne K. Kearns - Nobel Akademik Yayıncılık, 2020, ISBN: 9786050331134