

<b>Course Description</b>					
<b>Name</b>	<b>Code</b>	<b>Semester</b>	<b>T+A Hour</b>	<b>Credit</b>	<b>ECTS</b>
AIR TRAFFIC CONTROL (ATC) SERVICES	HVY2113598	Fall Semester	3+0	3	5
<b>Prerequisites Courses</b>					
<b>Recommended Elective Courses</b>					
<b>Language of Instruction</b>	Turkish				
<b>Course Level</b>	First Cycle (Bachelor's Degree)				
<b>Course Type</b>	Required				
<b>Course Coordinator</b>	Assist.Prof. Özlem İLDAY				
<b>Name of Lecturer(s)</b>	Lect.Dr. Fuat Can ERERTEM				
<b>Assistant(s)</b>					
<b>Aim</b>	From the point of view of the air traffic controller, our aim is to provide our students with all the relevant information about air traffic valid in national and international aviation as sufficient theoretical knowledge.				
<b>Course Content</b>	This course contains; Airline Transportation and Air Traffic System,Basic Air Traffic Management,An Overview of Air Traffic Services,Air Traffic Control and Navigation,Air Traffic Rules and Practices,An Overview of Instrument Flight Rules (IFR) and Visual Flight Rules (VFR),Airspace Type and Visual Signals,Air Traffic Incidents,Flight Plans and Content,Approach and Square Control Services,Departments of Air Traffic Services,Air Traffic Flow and Capacity Management,Preventing Collisions and Confusion,Unlawful Attempts and Stops.				
<b>Course Learning Outcomes</b>		<b>Teaching Methods</b>	<b>Assessment Methods</b>		
1- Knows airports, airspace and air traffic control system.		10, 11, 13, 16, 9	A		
2- Can explain the aerodrome control operations.		10, 11, 13, 16, 9	A		
3- Can explain radar and non-radar operations.		10, 11, 13, 16, 9	A		
<b>Teaching Methods</b>	10: Discussion Method, 11: Demonstration Method, 13: Case Study Method, 16: Question - Answer Technique, 9: Lecture Method				
<b>Assessment Methods</b>	A: Traditional Written Exam				
<b>Lecture Schedule</b>					
<b>Sequenc e</b>	<b>Topics</b>	<b>Preliminary Preparation</b>			
1	Airline Transportation and Air Traffic System				
2	Basic Air Traffic Management				
3	An Overview of Air Traffic Services				
4	Air Traffic Control and Navigation				
5	Air Traffic Rules and Practices				
6	An Overview of Instrument Flight Rules (IFR) and Visual Flight Rules (VFR)				
7	Airspace Type and Visual Signals				
8	Air Traffic Incidents				
9	Flight Plans and Content				
10	Approach and Square Control Services				
11	Departments of Air Traffic Services				
12	Air Traffic Flow and Capacity Management				
13	Preventing Collisions and Confusion				
14	Unlawful Attempts and Stops				
<b>Evaluation Methods</b>		<b>Weight(%)</b>			
Midterm Exam		40			
General Exam		60			

<b>Resources</b>
"Hava Trafik Kontrol Hizmetleri" (Air Traffic Control Services), Dr. Suat USLU, Anadolu Üniversitesi Yayınları, 2016, ISBN: 978-975-06-1915-1
"Meydan Kontrol Teorisi" (Field Control Theory) Lecture Notes, DHMİ Devlet Hava Meydanları İşletmesi,
"Hava Trafik Kontrol Hizmetinde Acil veya Beklenmedik Durumlar Rehberi" (Guide for Emergency or Unexpected Situations in Air Traffic Control Service), DHMİ Genel Müdürlüğü Seyrüsefer Dairesi Başkanlığı Hava Trafik Müdürlüğü, 2021
ICAO website
EASA website