

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
AIRPORT OPERATIONS and EQUIPMENT	HVY3114319	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	Assist.Prof. Fatih KARAMAN				
Name of Lecturer(s)	Assist.Prof. Fatih KARAMAN				
Assistant(s)					
Aim	To provide the student with information about the structural features of airports, design, site selection, construction, equipment owned, activities carried out at airports and interaction with the environment.				
Course Content	This course contains; Airports,Airport ownership and operating structure,Airport landside elements,Airport airside elements,Airport airside elements (cont.),Airport obstruction plan,Airport visual aids,Airport environmental impacts,Airport services and equipment,Airport services and equipment (cont.),Airport planning, site selection, design and construction,Airport capacity,Airport operations and management,Review and discussion.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
1 - Will be able to learn airports and their structural features.			16, 9	A	
1.1 - Knows the airport airside rules and their usage.			16, 9	A	
1.2 - Knows the airport landside rules and their usage.			16, 9	A	
2 - Will know airport equipment and their usage.			16, 9	A	
2.1 - Learns airports stakeholders their features.			16, 9	A	
2.2 - Learns airports internal audit and their features.			16, 9	A	
3 - Will be able to know and explain airport operations and services.			16, 9	A	
3.1 - Knows airports audits and their features.			16, 9	A	
3.2 - Knows airports management system and their features.			16, 9	A	
4 - Will be able to know the airport visuals, markers and their usage.			16, 9	A	
4.1 - Knows airports airside markers.			16, 9	A	
4.2 - Knows airports airside obstacle and construction activities.			16, 9	A	
5 - Will be able to understand the terminal management , rules and their usage.			16, 9	A	
5.1 - Knows terminal and their structural features.			16, 9	A	
5.2 - Knows terminal passenger rules and their features.			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	Airports				
2	Airport ownership and operating structure				
3	Airport landside elements				
4	Airport airside elements				
5	Airport airside elements (cont.)				
6	Airport obstruction plan				
7	Airport visual aids				
8	Airport environmental impacts				
9	Airport services and equipment				
10	Airport services and equipment (cont.)				
11	Airport planning, site selection, design and construction				
12	Airport capacity				
13	Airport operations and management				
14	Review and discussion				
Evaluation Methods		Weight(%)			
Midterm Exam		40			
General Exam		60			

Resources
"Airport Systems- Planning, Design and Management" ,De Neufville,Richard,- Odoni R, Amedeo, Belobaba, Peter P, 2013, McGraw Hill, 2nd Edition
ICAO Annex 14 - Aerodromes