

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
SAFETY MANAGEMENT SYSTEM (SMS) in AVIATION	HVY2213606	Spring Semester	3+0	3	4
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	Turkish				
Course Level	First Cycle (Bachelor's Degree)				
Course Type	Required				
Course Coordinator	Assist.Prof. Oğuz YILDIZ				
Name of Lecturer(s)	Assist.Prof. Oğuz YILDIZ				
Assistant(s)					
Aim	This course aims to give students the awareness of the operation of safety management in aviation, to enable them to recognize the basic concepts used and to know about planning, organizing, collecting data, risk management, and applying corrective actions in the safety management system.				
Course Content	This course contains; Basic Concepts Related to Aviation Safety,The Management Dilemma, Hazards and Safety Risks in Aviation Safety,Human Performance and Limits,Safety Culture in Aviation,Legislation and Organizations related to Aviation Safety,Human Errors and Violations,Dispatcher Resource Management,Measurement and Monitoring of Safety Performance,Safety Management System,SMS Planning,Safety Risk Management,Operational Aspects of SMS,Risk Assessment and Risk Reduction,Implementation of Safety Management System.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
1- Explains the basic concepts of Safety Management System.			10, 16, 9	A	
2- Describes the organization of the Safety Management System			10, 16, 9	A	
3- Defines the basic principles of the safety management system.			10, 16, 9	A	
Teaching Methods	10: Discussion Method, 16: Question - Answer Technique, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	Basic Concepts Related to Aviation Safety				
2	The Management Dilemma, Hazards and Safety Risks in Aviation Safety				
3	Human Performance and Limits				
4	Safety Culture in Aviation				
5	Legislation and Organizations related to Aviation Safety				
6	Human Errors and Violations				
7	Dispatcher Resource Management				
8	Measurement and Monitoring of Safety Performance				
9	Safety Management System				
10	SMS Planning				
11	Safety Risk Management				
12	Operational Aspects of SMS				
13	Risk Assessment and Risk Reduction				
14	Implementation of Safety Management System				
Evaluation Methods		Weight(%)			
Midterm Exam		40			
General Exam		60			

Resources
"Havacılık Emniyeti ve Güvenliği" (Aviation Safety and Security) , Hakan Budak, Atatürk Üniversitesi Yayınları, 2018
"Safety Management Systems in Aviation", Alan J. Stolzer, John J. Goglia
"Safety Management Manual", General Directorate of Civil Aviation,
ICAO Safety Management Manual Doc 9859