Course Syllabus

Code - Course Title	**SHU201U - Communication and Navigation Systems**
Course Type	III. SEMESTER
Laboratory + Practice	0+0
ECTS	**6.0**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	PROF. DR. KÖKSAL BÜYÜK

Mode of Delivery	Distance Educaton
Prerequisites	There is no prerequisite or co-requisite.

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Radio Waves and Basic Concepts I	
Week - 2		Radio Waves and Basic Concepts II	
Week - 3		Communication Systems	
Week - 4		VDF – ADF – VOR Systems	
Week - 5		DME – ILS – MLS – RNAV Systems I	
Week - 6		DME – ILS – MLS – RNAV Systems II	
Week - 7		Midterm	
Week - 8		GNSS Systems I	
Week - 9		GNSS Systems II	
Week - 10		Gps Error Sources and Gnss Sensitivity Increasing Methods I	
Week - 11		Gps Error Sources and Gnss Sensitivity Increasing Methods II	
Week - 12		Radar Systems	
Week - 13		TCAS, ADS-B, Safety Nets, GPWS Systems	
Week - 14		Final Examination	

Learning Outcomes

#	Learning Outcome
1	Defining the Communication Systems in Aviation.

Learning Outcomes

#	Learning Outcome
2	Defininng the concept of navigation in aviation and the systems used.
3	Define the Satellite, Radar Systems and Safety Networks.

Sustainable Development Goals

No content has been provided.

Course Theme

No content has been provided.

AKTS Workload

Activity	Duration (Hour)	Count	Workload
Teorik Derse Katılım	0	0	0
Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı)	0	0	0
Ödevler	0	0	0
Proje - Rapor - Sunum Hazırlama	0	0	0
Ara Sınav Hazırlığı (sınav süresi dahil)	0	0	0
Final Sınavı Hazırlığı (sınav süresi dahil)	0	0	0
Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.)	0	0	0
Staj Uygulaması	0	0	0
		Calculated ECTS	**0**

Assessment Method and Passing Requirements

No content has been provided.

Assessment Method and Passing Requirements	Quamtity	Percentage (%)
1.Midterm Exam	1	30
Final Exam	1	70
	Sum (%)	**100**