Course Syllabus

Code - Course Title	**HİŞ304U -**
Course Type	II. SEMESTER
Laboratory + Practice	0+0
ECTS	**5.0**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	Doç. Dr. Cem ÇETEK

Mode of Delivery	Distance Education
Prerequisites	There is no prerequisite or co-requisite for this course.
Courses Recomended	-
Recommended Resources	Text Book: Harekat Performans, Anadolu Üniversitesi Yayınları, No:3361.
Work Placement	-

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Introduction to Weight and Balance	
Week - 2		Weight and flight performance, unit conversions	
Week - 3		Aircraft Weight and Components	
Week - 4		Weight and Balance Theory	
Week - 5		Center of gravity, Mean aerodynamic chord, Shear and bending loads	
Week - 6		Mid-term exam	
Week - 7		Center of Gravity Limitations	
Week - 8		Stability and maneuverability	
Week - 9		Weight and Balance Applications	
Week - 10		Weight and balance calculations of aircraft in various categories; Weight and balance handbook, Index	
Week - 11		Load and Trim Sheets	
Week - 12		Aircraft loading errors	
Week - 13		Fuel Load and Flight Planning	
Week - 14		Final Exam	

Learning Outcomes

#	Learning Outcome
1	Will be able to explain the basic components of weight and balance theory
2	Will be able to explain aircraft weight components and limitations
3	Will be able to perform center of gravity calculations for the given aircraft in small, commuter and large category
4	Will be able to explain load and trim sheet

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**