Course Syllabus

Code - Course Title	**EİD201U - Electrical Machines**
Course Type	III. SEMESTER
Laboratory + Practice	0+0
ECTS	**6.0**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	PROF. DR. HAKAN DAL

Mode of Delivery	Distance Education
Prerequisites	There is no prerequisite or co-requisite for this course.
Courses Recomended	None
Recommended Resources	Text Book
Work Placement	None

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Magnetic Materials and Magnetic Circuits	
Week - 2		magnetic Materials and Magnetic Circuits	
Week - 3		Principles of Electromechanical Energy Conversion	
Week - 4		Principles of Electromechanical Energy Conversion	
Week - 5		Transformers	
Week - 6		Transformers	
Week - 7		Induction Machines	
Week - 8		Induction Machines	
Week - 9		Synchronous Machines	
Week - 10		Synchronous Machines	
Week - 11		Direct Current Machines	
Week - 12		Direct Current Machines	
Week - 13		Power Electronics and Introduction to Motor Drives	
Week - 14		Power Electronics and Introduction to Motor Drives	

Learning Outcomes

#	Learning Outcome
1	Attains introductory knowledge about electrical machinery, be able to select proper machine for an industrial application
2	Makes performance analysis
3	be able to select proper motor drives

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**