Course Syllabus

Code - Course Title	**EİD188U - Workshop-I**
Course Type	II. SEMESTER
Laboratory + Practice	0+0
ECTS	**7.0**
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	The courses in their program are; YENİLENEBİLİR ENERJİ KAYNAKLARI, ELEKTRİK ENERJİSİ ÜRETİMİ
Recommended Resources	Serway, R. A. ve Beichner, R. J. (2007), Fen ve Mühendislik İçin Fizik, Cilt 2. Çev. Ed. K. Çolakoğlu. Ankara: Palme Yayıncılık.
Work Placement	This course is a course of practices.

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Presentation of the tools and equipment to be used in laboratory work	
Week - 2		ELECTRICITY PROTECTION	
Week - 3		CALCULATION OF WIRE RESISTANCE IN ACCORDANCE LENGTH AND SQUARE FIELD	
Week - 4		MECHANICAL ENERGY TRANSFORMATION OF ELECTRICITY ENERGY	
Week - 5		ELECTRICAL ENERGY PRODUCTION FROM WIND ENERGY	
Week - 6		ELECTRICAL ENERGY PRODUCTION FROM HYDROGEN ENERGY	
Week - 7		SERIAL AND PARALLEL CONNECTED SOLAR BATTERIES	
Week - 8		Experimental calculations and comments	
Week - 9		SERIAL AND PARALLEL CONNECTED SOLAR BATTERIES	
Week - 10		Experimental calculations and comments	
Week - 11		STORAGE OF ELECTRICITY ENERGY OBTAINED FROM SOLAR BATTERIES	
Week - 12		Experimental calculations and comments	
Week - 13		REMOTE DISTANCE HIGH VOLTAGE LINE MODEL	

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 14		Experimental calculations and comments	

Learning Outcomes

#	Learning Outcome
1	Learn how to avoid electricity
2	Calculates Resistance to Teller Length and Cross Section Area
3	Know the Mechanical Energy Conversion of Electric Energy
4	Know the advantages of Electricity Generation from Wind Energy
5	Acquisition of Electric Energy Generation from Hydrogen Energy
6	Know the serial and parallel connection of solar batteries
7	Can provide information about the system required for Storage of Electric Energy from Solar Pools
8	Know the Long Distance High Voltage Line Model

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 (%)

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