Content

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS
GÜV313	Electrical-Electronics	2	3	0	0	3	3

Prerequisites	
Admission Requirements	

Language of Instruction	Turkish
Course Type	Compulsory
Course Level	Associate Degree
Objective	The basic concepts of electricity, to teach the types of electric current. Electric circuit analysis can. Understand the structure and operation of electrical machines. Know magnetism. Take precautions against electrical accidents.
Content	Magnetism and electricity, Electrical safety, Electrical laws, Electrical circuit, an electrical circuit work, power, Energy electromagnetic induction, Capacitors, Electric generators and motors, Alternating voltage and current, Distribution and protective devices Electrochemistry, Devices.
References	Principles of direct current module (MEB) Alternative current fundamentals module (MEB)

Theory Topics

Week	Weekly Contents
1	Magnetism and electricity
2	Magnetism and electricity
3	Electrical safety
4	Electrical safety
5	Electrical laws
6	Electrical laws
7	Electrical circuit, an electrical circuit work, power
8	Electrical circuit, an electrical circuit work, power
9	Energy electromagnetic induction
10	Capacitors
11	Electric generators and motors
12	Alternating voltage and current

Week	Weekly Contents
13	Distribution and protective devices
14	Electrochemistry, Devices.