Content

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS
GEM209	Electrotechnic II	4	2	0	1	2.5	2

Prerequisites	
Admission Requirements	

Language of Instruction	Turkish	
Language of instruction		
Course Type	Compulsory	
Course Level	Associate Degree	
Objective	Teach the principles of electromagnetic induction.	
	Study and teach the structure of electrical machines.	
Content	Electrical Test and Measurement Devices	
	Testing and to measure	
	Safety Requirements for Electrical Systems	
	basic safety	
	Electrical Test and Measurement Devices	
	basic safety	
	Cables	
	alternating current	
	distribution	
	Transformers	
	Cables	
	Alternators	
	Direct current generators	
	Alternating current generators	
	Maintenance of generators and switches	
	Alternating current motors	
	Direct current motors	
	Maintenance of motor and starter	
	Impedance and inductance	
	lighting	
	troubleshooting	
	Petroleum, chemical and liquefied gas tankers electrical systems	
	Control Systems	
	Fault locations, detecting and troubleshooting methods	
References	Gemi Elektriği	
	Elektrik Teorisi 1	

Theory Topics

Week	Weekly Contents
1	Electrical Test and Measurement Devices
2	Testing and to measure
3	Safety Requirements for Electrical Systems
4	basic safety
5	Electrical Test and Measurement Devices
6	basic safety

Week	Weekly Contents
7	Cables
8	alternating current
9	distribution
10	Alternators
11	Alternating current generators
12	Maintenance of generators and switches
13	Alternating current motors
14	Impedance and inductance