

**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
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