

## Content

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS
GEM215	Hydraulic	4	2	0	1	2,5	3

Prerequisites	
Admission Requirements	

Language of Instruction	Turkish
Course Type	Compulsory
Course Level	Associate Degree
Objective	To teach the students The basic principles of Hydraulic, Control systems and its objective,Mechanic/electrical/pressure/time/vacuum/level gauges,Mechanic/electrical/pressure/time/vacuum/level gauges,Hydraulic and Pneumatic Circuit parts and their international standard signs, Analog and digital circuits and and give them the ability to use them.
Content	1.The basic principles of Hydraulic, 2.Control systems and its objective 3.Mechanic/electrical/pressure/time/vacuum/level gauges 4.Hydraulic and Pneumatic Circuit parts and their international standard signs 5.Analog and digital circuits
References	Course notes,Books and slides Internet sources

## Theory Topics

Week	Weekly Contents
1	The basic principles of Hydraulic
2	Control systems and its objective
3	Mechanic/electrical/pressure/time/vacuum/level gauges
4	Mechanic/electrical/pressure/time/vacuum/level gauges
5	Mechanic/electrical/pressure/time/vacuum/level gauges
6	Analog and digital circuits
7	Amplifiers,conductors,
8	Hydraulic and Pneumatic Circuit parts and their international standard signs
9	Hydraulic and Pneumatic Circuit parts and their international standard signs
10	Hydraulic and Pneumatic Circuit parts and their international standard signs
11	Hydraulic and Pneumatic Circuit parts and their international standard signs
12	Hydraulic and Pneumatic Circuit parts and their international standard signs
13	Hydraulic , Pneumatic and Automatic system appliances on ships
14	Hydraulic , Pneumatic and Automatic system appliances on ships