

Content

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS
GEM205	Marine Eng. Operations and Maintenance-I	3	3	0	1	3,5	4

Prerequisites	
Admission Requirements	

Language of Instruction	Turkish
Course Type	Compulsory
Course Level	Associate Degree
Objective	The aim of this course is to give an understanding to the students about how to run and maintain boilers,pumps,compressors, separators and the other auxiliary machines
Content	<ul style="list-style-type: none">-Main boiler running and maintaining-The faults in the boilers-Corrosion in the boilers and how to prevent it-Usage of fresh and sea water in the boilers-Testing of water level in the boilers and improving the water quality
References	,Slides,educational videos and lab applications

Theory Topics

Week	Weekly Contents
1	Main and auxiliary boiler running and maintaining
2	Main and auxiliary boiler running and maintaining
3	Boiler faults
4	Corrosion in the boilers and how to prevent it
5	Usage of fresh and sea water in the boilers
6	Testing of water level in the boilers and improving the water quality
7	Pumps
8	Pumps
9	Compressors
10	Pressurized air systems and distribution
11	Bilge, separator and waste water equipment maintenance
12	Bilge, separator and waste water equipment maintenance
13	Fuel and oil separators maintenance
14	Fuel and oil separators maintenance