

Content

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS
GEM210	Marine Aux. Machineries II	4	2	0	1	2,5	3

Prerequisites	
Admission Requirements	

Language of Instruction	Turkish
Course Type	Compulsory
Course Level	Associate Degree
Objective	The course provides comprehensive description and offers elaborated explanation for different marine auxiliary machinery systems so that the marine engineering officers understand the rules and regulations and principles of maintenance and running of these machines.
Content	Fresh Water Generator, Incinerator. Control Systems of the Alternator, Deck Machinery, Astern tube and Shaft systems, types of Propellers, principles of steering wheel and its hydraulic control systems Electrical control and emergency of steering systems and its technical structures
References	Hidrolik-Pnömatik Uygulamaları/Doç.Dr.İsmail Deha Er/Baş Müh.Kemal Demirel Gemi yardımcı makinaları/Haluk Özgün Gemi Dizel Motorları/Fahrettin Küçükşahin Atlas Fresh Water Genarator Instruction Manuel Faruk kartal/alternator generator sistemlaeri Saft ,stern tüp yağlama ve yağlama sistemleri.

Theory Topics

Week	Weekly Contents
1	Introduction to concepts
2	Fresh Water Genarator structure, working principles and maintenance
3	Alternators,generators and control systems
4	Alternators,generators and control systems
5	Deck Machinery, working principle and maintenance
6	Deck Machinery, working principle and maintenance
7	General Evaluation
8	Mid term
9	Steering principles and their hydraulic control systems
10	Steering principles and their hydraulic control systems
11	Electrical control of steering systems and emergency steering
12	Astern tube system, shaft system and type of propellers
13	Astern tube system, shaft system and type of propellers
14	General evaluation