

## Content

| Course Code | Course Name                               | Semester | Theory | Practice | Lab | Credit | ECTS |
|-------------|---|----------|--------|----------|-----|--------|------|
| GEM212      | Marine Eng. Operations and Maintenance-II | 4        | 3      | 0        | 2   | 4      | 4    |

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|------------------------|--|
| Prerequisites          |  |
| Admission Requirements |  |

|                         |   |
|-------------------------|---|
| Language of Instruction | Turkish   |
| Course Type             | Compulsory  |
| Course Level            | Associate Degree  |
| Objective               | To prepare the students for operation and maintenance on board by lecturing and applications  |
| Content                 | Maintenance and running of the Evaporators<br>-Maintenance and running of the Shaft systems<br>-Maintenance and running of the Deck machinery<br>-Maintenance and running of the Steering machinery<br>-Maintenance and running of the Hydraulic Rudder systems |
| References              | Slides,educational videos and lab applications  |

## Theory Topics

| Week | Weekly Contents  |
|------|--|
| 1    | Maintenance and running of the Evaporators                                     |
| 2    | Maintenance and running of the Shaft systems                                   |
| 3    | Maintenance and running of the Deck machinery                                  |
| 4    | Maintenance and running of the Hydraulic Rudder systems and Steering machinery |
| 5    | Maintenance and running of the heat distributors                               |
| 6    | Fuel,Bilge and Ballast procedures  |
| 7    | The procedures in the engine room during watch for safety and emergency        |
| 8    | AC and DC systems  |
| 9    | Maintenance and running of the emergency steering wheel                        |
| 10   | Bunkering Principles   |
| 11   | Safe watch keeping during manoeuvring  |
| 12   | Safe Maintenance, Planned and Emergency Maintenance                            |
| 13   | Maintenance equipment on board   |
| 14   | Using the electrical equipment during finding the faults                       |