

**Faculty of Maritime Studies / MARINE ELECTRICAL ENGINEERING / THERMODYNAMICS AND HEAT TRANSFER**

|                                      |  |                 |                     |   |
|--------------------------------------|--|-----------------|---------------------|---|
| <b>Course:</b>                       | THERMODYNAMICS AND HEAT TRANSFER             |                 |                     |   |
| <b>Course ID</b>                     | <b>Course status</b>                         | <b>Semester</b> | <b>ECTS credits</b> | <b>Lessons</b> (Lessons+Exercises+Laboratory) |
| 10241                                | Mandatory                                    | 2               | 6                   | 3+2+0   |
| <b>Programs</b>                      | MARINE ELECTRICAL ENGINEERING                |                 |                     |   |
| <b>Prerequisites</b>                 |  |                 |                     |   |
| <b>Aims</b>                          |  |                 |                     |   |
| <b>Learning outcomes</b>             |  |                 |                     |   |
| <b>Lecturer / Teaching assistant</b> |  |                 |                     |   |
| <b>Methodology</b>                   |  |                 |                     |   |
| <b>Plan and program of work</b>      |  |                 |                     |   |
| Preparing week                       | Preparation and registration of the semester |                 |                     |   |
| I week lectures                      |  |                 |                     |   |
| I week exercises                     |  |                 |                     |   |
| II week lectures                     |  |                 |                     |   |
| II week exercises                    |  |                 |                     |   |
| III week lectures                    |  |                 |                     |   |
| III week exercises                   |  |                 |                     |   |
| IV week lectures                     |  |                 |                     |   |
| IV week exercises                    |  |                 |                     |   |
| V week lectures                      |  |                 |                     |   |
| V week exercises                     |  |                 |                     |   |
| VI week lectures                     |  |                 |                     |   |
| VI week exercises                    |  |                 |                     |   |
| VII week lectures                    |  |                 |                     |   |
| VII week exercises                   |  |                 |                     |   |
| VIII week lectures                   |  |                 |                     |   |
| VIII week exercises                  |  |                 |                     |   |
| IX week lectures                     |  |                 |                     |   |
| IX week exercises                    |  |                 |                     |   |
| X week lectures                      |  |                 |                     |   |
| X week exercises                     |  |                 |                     |   |
| XI week lectures                     |  |                 |                     |   |
| XI week exercises                    |  |                 |                     |   |
| XII week lectures                    |  |                 |                     |   |
| XII week exercises                   |  |                 |                     |   |
| XIII week lectures                   |  |                 |                     |   |
| XIII week exercises                  |  |                 |                     |   |
| XIV week lectures                    |  |                 |                     |   |
| XIV week exercises                   |  |                 |                     |   |
| XV week lectures                     |  |                 |                     |   |
| XV week exercises                    |  |                 |                     |   |

| Student workload   |                     |   |  |  |  |                                    |
|--|---------------------|---|--|--|--|------------------------------------|
| Per week   |                     | Per semester  |  |  |  |                                    |
| <b>6 credits x 40/30=8 hours and 0 minuts</b><br>3 sat(a) theoretical classes<br>0 sat(a) practical classes<br>2 excercises<br><b>3 hour(s) i 0 minuts</b><br>of independent work, including consultations |                     | Classes and final exam:<br><b>8 hour(s) i 0 minuts x 16 =128 hour(s) i 0 minuts</b><br>Necessary preparation before the beginning of the semester<br>(administration, registration, certification):<br><b>8 hour(s) i 0 minuts x 2 =16 hour(s) i 0 minuts</b><br>Total workload for the subject:<br><b>6 x 30=180 hour(s)</b><br>Additional work for exam preparation in the preparing exam period,<br>including taking the remedial exam from 0 to 30 hours (remaining time from<br>the first two items to the total load for the item)<br><b>36 hour(s) i 0 minuts</b><br>Workload structure: <b>128 hour(s) i 0 minuts (cources), 16 hour(s) i 0 minuts (preparation), 36 hour(s) i 0 minuts (additional work)</b> |  |  |  |                                    |
| Student obligations  |                     |   |  |  |  |                                    |
| Consultations  |                     |   |  |  |  |                                    |
| Literature   |                     |   |  |  |  |                                    |
| Examination methods  |                     |   |  |  |  |                                    |
| Special remarks  |                     |   |  |  |  |                                    |
| Comment  |                     |   |  |  |  |                                    |
| Grade:   | F                   | E   | D  | C  | B  | A                                  |
| Number of points   | less than 50 points | greater than or equal to 50 points and less than 60 points  | greater than or equal to 60 points and less than 70 points | greater than or equal to 70 points and less than 80 points | greater than or equal to 80 points and less than 90 points | greater than or equal to 90 points |