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|-------------------------------------------------|-----------------------------------------------------------------|-------|
|                                                 | Study track: Ship Design                                        |       |
|                                                 | Students start: DTU                                             |       |
| Semester                                        | Prerequisite: BSc Naval Architecture                            | ECTS  |
| 1<br>Autumn<br>DTU<br>(2019)                    | 41216 Structural assessment of ships                            | 5     |
|                                                 | 41221 Ship propulsion and manoeuvring                           | 10    |
|                                                 | 41222 Wave loads on ships and offshore structures               | 5     |
|                                                 | 41275 Ship operations                                           | 5     |
|                                                 | 02431 Risk management                                           | 5     |
| 2<br>Spring<br>DTU<br>(2020)                    | 42490 Technology, management, organisation and business models  | 10    |
|                                                 | 41315 Applied CFD                                               | 5     |
|                                                 | Electives (choose three, check pre-requisites for each course): | 15    |
|                                                 | 41237 Dynamics of structures: theory and analysis               | (5)   |
|                                                 | 41317 Computational fluid mechanics                             | (5)   |
|                                                 | 41346 IC engines - experimental methods and data processing     | (5)   |
| 41514 Dynamics of machinery                     | (5)                                                             |       |
| 41517 Stiffened plates and sandwich composites* | (5)                                                             |       |
| 3<br>Autumn<br>Chalmers<br>(2019/<br>2020)      | MMA151 Marine design project                                    | 15    |
|                                                 | TME260 Fatigue and fractures                                    | 7.5   |
|                                                 | Electives (choose one):                                         | 7.5   |
|                                                 | IBB136 Project management                                       | (7.5) |
|                                                 | MTT100 Mechanical performance of engineering materials          | (7.5) |
| MTF072 Computational fluid dynamics             | (7.5)                                                           |       |
| 4<br>Spring<br>Chalmers<br>(2020/1)             | Master Thesis, Chalmers                                         | 30    |

\* Prerequisites must be checked based on earlier studies.

26 August 2019

Note: Modifications and corrections to this table may be issued without prior notice.