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| Student name: |       |
| Student number: |       |
| Student email: |       |

## 1st YEAR MT

## OBLIGATORY COURSES

|  |  |  |
| --- | --- | --- |
| Course code | Course name  | EC |
| MT44021 | Motions & Loading of Structures in Waves | 5 |
| MT44030 | Torsion and shear in Marine Structures | 5 |
| MT44035 | Design of Complex Specials | 5 |
| MT44040 | Maritime Finance, Business and Law | 5 |
| MT44050 | Fundamentals of Marine Engineering | 5 |
| Total ≥ 25 EC | **25** |

**ETHICS COURSES:** select 1 course

|  |  |  |
| --- | --- | --- |
| Course code | Course name | EC |
| [ ]  | CIE4510-20 | Climate Change: Science & Ethics | 4 |
| [ ]  | TPM002A | Water Ethics | 3 |
| [ ]  | TPM404A | Technology Entrepreneurship and Global Developmen | 4 |
| [ ]  | WM0320TU | Ethics and Engineering | 3 |
| [ ]  | WM0349WB | Philosophy of engineering science and design | 3 |
| [ ]  | WM0353TU | Climate Ethics  | 3 |
| [ ]  | WM0375TU | Ethics of Technological Risks | 3 |
| [ ]  | WM0801TU | Inleiding veiligheidskunde | 3 |
| [ ]  | WM1301TU | Ethics of Transportation | 3 |
| Total = 3 or 4 EC | **3 or 4** |

**MARINE TECHNOLOGY STAR-ELECTIVE COURSES:** select at least 5 courses - 3 from a single research discipline

|  |  |  |
| --- | --- | --- |
| Course code | Course name | EC |
| [ ]  | MT44070 | Shipping Management | 5 |
| [ ]  | ME44311 | Advanced Operations & Production Management | 5 |
| [ ]  | ME44206 | Quantitative Methods for Logistics | 5 |
| [ ]  | ME44305 | System Analysis and Simulation | 5 |
| [ ]  | MOT1421 | Economic Foundations | 5 |
| [ ]  | MT44095 | Design of Advanced Marine Vehicles | 5 |
| [ ]  | MT44000 | Mechatronics in MT | 5 |
| [ ]  | MT44006 | Future Marine Propulsion Systems | 5 |
| [ ]  | MT44100 | Internal Combustion Engines A | 5 |
| [ ]  | MT44105 | Internal Combustion Engines B | 5 |
| [ ]  | ET4117 | Electrical Machines and Drives | 4 |
| [ ]  | MT44025 | Numerical Ship Hydrodynamics | 5 |
| [ ]  | MT44060 | Advanced Course in Resistance and Propulsion | 4 |
| [ ]  | ME45042 | Advanced Fluid Dynamics | 5 |
| [ ]  | MT44090 | Fluid-Structure Interaction in Marine Structures | 5 |
| [ ]  | MT44010 | Non-metallic Materials in Marine Structures | 5 |
| [ ]  | MT44085 | Ultimate Strength of Marine Structures | 5 |
| [ ]  | OE44085 | Fatigue Strength of Marine Structures | 5 |
| [ ]  | MS43805 | Materials and Fabrication Factors in Marine Structures | 5 |
| Total ≥ 23 EC |  |

<https://coursebase.tudelft.nl/a64_editCourse.do?course_id=53743>[continue on next page]

**(RECOMMENDED) ELECTIVE COURSES:** (max. 3 ECTS personal development including language courses)

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| --- | --- | --- |
| Course code | Course name | EC |
| [ ]  | MT44045 | (BSc ME, AE only) Introduction to Ship and Offshore Hydromechanics | 3 |
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|  | Total |  |

  **2nd YEAR MT**

 **MT GRADUATION PROJECT** (45 EC)

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| --- | --- | --- |
| Code | Course name | EC |
| MT54010-20 | MT Literature Research (incl. Presentation + Colloquia) | 10 |
| MT54035 | MT MSc Thesis (Project, Solution Generation and Validation + Defence) | 35 |
|  | **Total** | **45** |

## MT PROJECT/ELECTIVES 2nd YEAR (15 EC)

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| --- | --- | --- |
| Code | Assignment name | EC |
| [ ]  | TUD4040 | Joint Interdisciplinary Project  | 15 |
| [ ]  | MT54000 | Individual Research Assignment for MT  | 15 |
| [ ]  \* |  | Elective Courses (15 ECTS) | 15 |
|  |  | **Total** | 15 |
| Total of complete program (≥ 120 EC) |  |

 *\*Tick this box if you used 15 or more EC in electives as a replacement for the Joint Interdisciplinary Project or Research Assignment.*

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| Signature Master Coördinator:**Peter de Vos**  **Date:** | Signature student:Date: | On behalf ofExamination Board:Date: |