

FORM FOR TH/TU-BACHELORS

**Faculty of Mechanical, Maritime and Materials Engineering**

|  |
| --- |
| **STUDY PROGRAM MASTER MECHANICAL ENGINEERING 2019-2020** |
| Student name: |       | Student number: |       |
| E-mail: |       |  |  |
| Track ME: | **Energy and Process Technology** |  |  |

## OBLIGATORY FOR ALL ME MSc TRACKS:

|  |  |  |
| --- | --- | --- |
| Course code | Course name | EC |
| ME46000 | Nonlinear Mechanics | 4 |
| ME46006 | Physics for Mechanical Engineers | 4 |
| ME46007 | Measurement Technology | 3 |
|  | subtotal | 11 |

## SOCIAL COURSES – select at least one course and not more than 6 ECTS

|  |  |  |
| --- | --- | --- |
| [ ]  WM0903TU | Technological Entrepreneurship and Global Development | 4 |
| [ ]  WM0349WB | Philosophy of Engineering Science and Design | 3 |
| [ ]  WM0516TU | Turning Technology into Business | 6 |
| [ ]  WM0801TU | Introduction to Safety Science  | 3 |
| [ ]  WM0320TU | Ethics and Engineering | 3 |
| [ ]  WM01302TU | Ethics of Transportation  | 3 |
| [ ]  SPM9448 | Methods for Risk Analysis and Management  | 5 |
| [ ]  WM0506TU | Ready to Start-up  | 6 |
|  | subtotal |       |

## RECOMMENDED FOR ALL ME MSc TRACKS - EPT students MUST take ME45000 and ME45042

|  |  |  |
| --- | --- | --- |
| [ ] ME45000 | Advanced Heat Transfer | 3 |
| [ ] ME45040 | Advanced Fluid Dynamics | 5 |
| [ ] SC42000 | Control System Design | 3 |
| [ ] ME44210 | Drive and Energy Systems | 3 |
| [ ] ME41105 | Intelligent Vehicles | 4 |
| subtotal |       |

**OBLIGATORY FOR EPT**

|  |  |  |
| --- | --- | --- |
| ME45065 | World of Energy and Process Technology | 1 |
| ME45160 | Advanced Applied Thermodynamics | 5 |
| ME45165 | Equipment for Heat & Mass Transfer | 5 |
| subtotal | 11 |

**RECOMMENDED FOR EPT**  **- choose at least 10 EC**

|  |  |  |
| --- | --- | --- |
| [ ] ME45030 | Turbulence | 5 |
| [ ] ME45155 | Modeling of Thermodynamic and Hydronamic Systems | 5 |
| [ ] ME45135 | Process Plant Design | 5 |
| [ ] ME45070 | Advanced Reaction and Separation Systems | 5 |
| subtotal |       |

**ELECTIVES FOR EPT**

|  |  |  |
| --- | --- | --- |
|       |       |       |
|       |       |       |
|       |       |       |
|       |       |       |
|       |       |       |
| subtotal |       |
| Total of all courses (must be at least 60 EC) |       |

## ASSIGNMENTS Internship and Graduation Project

|  |  |  |
| --- | --- | --- |
| ME55010 | Literature Survey ME-EPT | 10 |
| ME55015 | Research Assignment ME-EPT | 15 |
| ME55035 | Thesis ME-EPT | 35 |
| Total of all assignments | 60 |

|  |  |  |
| --- | --- | --- |
| Sum of courses + assignments |       | ≥ 120 EC |

|  |  |  |  |
| --- | --- | --- | --- |
| Brian Tighe |  | Date: |        |

Signature Master coordinator: Signature student: Examination board:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Please send this form digitally and signed to SPA-3mE@tudelft**  (keep a copy for your own records)

last updated 5/9/2019