

FORM FOR TH/TU-BACHELORS

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

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| **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**

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| --- | --- | --- |
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|  |  |  |
|  |  |  |
|  |  |  |
| 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:

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

last updated 5/9/2019