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

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| --- | --- | --- | --- |
| **2019-2020 STUDY PROGRAM IN MSC MECHANICAL ENGINEERING** | | | |
| Student name: |  | Student ID number: |  |
| E-mail: |  |  |  |
| Track ME: | HTE-High-Tech Engineering | Focus HTE: |  |
| Annotation: |  |  |  |

## COURSES ME Obligatory courses (11 ECTS)

|  |  |  |  |
| --- | --- | --- | --- |
| Course code | Course name | EC |  |
| ME46006 | Physics for Mechanical Engineers | 4 |  |
| ME46000 | Nonlinear Mechanics | 4 |  |
| ME42007 | Measurement Technology | 3 |  |
| Total obligatory courses Master ME | |  | 11 |

## COURSES ME Recommended ME courses (minimum of 5 ECTS obligatory)

|  |  |  |  |
| --- | --- | --- | --- |
| Course code | Course name (tick box(es) of choice) | EC |  |
| ME44210 | Drive & Energy Systems | 3 |  |
| SC42000 | Control System Design | 3 |  |
| EE4C04 | Control System Design | 5 |  |
| ME45040 | Advanced Fluid Dynamics | 5 |  |
| ME45000 | Advanced Heat Transfer | 3 |  |
| ME44210 | Drive & Energy Systems | 3 |  |
| Total recommended courses Master ME | |  |  |

## COURSES ME Recommended social course (minimum of 3 max of 6 ECTS obligatory, choose 1 course)

|  |  |  |  |
| --- | --- | --- | --- |
| Course code | Course name (tick box of choice, for full list check studiegids.tudelft.nl) | EC |  |
| WM0349WB | Philosophy of Engineering | 4 |  |
| WM0801TU | Introduction to Safety Science | 3 |  |
|  |  |  |  |
| Total recommended social course ME | |  |  |

## COURSES ME-HTE obligatory courses I

|  |  |  |  |
| --- | --- | --- | --- |
| Course code | Course name | EC |  |
| ME46105 | Student colloquia and events PME | 1 |  |
| ME46110 | Intro lab PME | 2 |  |
| Total obligatory I courses track ME-HTE | |  | 3 |

## COURSES ME-HTE obligatory courses II (choose a minimum of 5 out of 7)\*

|  |  |  |  |
| --- | --- | --- | --- |
| Course code | Course name (tick boxes of choice) | EC |  |
| ME46055 | Engineering Dynamics | 4 |  |
| ME46085 | Mechatronic System Design | 4 |  |
| ME46300 | Optics | 4 |  |
| ME46020 | Micro- & Nanosystems Design & Fabrication, incl. MEMS Lab. | 4 |  |
| ME46015 | Precision Mechanism Design | 4 |  |
| ME46070 | Fundamentals of Mechanical Analysis | 4 |  |
| ME46060 | Engineering Optimization: Concept & Applications | 3 |  |
| Total obligatory II courses track ME-HTE | |  |  |

**COURSES** ME-HTE Recommended and elective courses

|  |  |  |  |
| --- | --- | --- | --- |
| Course code | Course name | EC |  |
|  |  |  |  |
|  |  |  |  |
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|  |  |  |  | |
|  |  |  |  | |
|  |  |  |  | |
|  |  |  |  | |
| Total common elective courses track ME-HTE | |  |  | |
| Total of all courses | |  | ≥ 60 EC | |

## ASSIGNMENTS Work placement, MSc-project, Traineeship, other projects

|  |  |  |  |
| --- | --- | --- | --- |
| Code | Assignment name | EC |  |
| [3ME4040TU](https://studiegids.tudelft.nl/a101_displayCourse.do?course_id=52161) | Joint Interdisciplinary Project | 15 |  |
| ME56015P | First Project HTE | 15 |  |
| ME56015S | Internship | 15 |  |
| ME56010 | Literature survey | 10 |  |
| ME56035 | Final Student Project (Thesis) | 35 |  |
| Total of all assignments | | 60 | 60 EC |

|  |  |  |
| --- | --- | --- |
| Total of complete program |  | ≥ 120 EC |

EC = European Credit. 1 EC = 28 hours study load

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| --- | --- | --- | --- |
| Name of Professor: |  | Date: |  |

Signature Professor: Signature student: Board of Examiners:

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last updated 26/9/2019