Mekelweg 2, 2628 CD DELFT

T: +31 15 27 85734

F: +31 15 27 88340

E: e.p.vanluik@tudelft.nl

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

|  |
| --- |
| **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 |  |
|       |       |       |  |
|       |       |       |  |
|       |       |       |  |
|       |       |       |  |
|       |       |       |  |
|       |       |       |  |
|       |       |       |  |
| 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

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

Signature Professor: Signature student: Board of Examiners:

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

last updated 26/9/2019