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

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| **STUDY PROGRAM IN MSC MECHANICAL ENGINEERING 2017-2018** |
| Student name: |       | Student Id number: |       |
| E-mail: |       |  |  |
| Track ME: | HTE-High-Tech Engineering (former PME) | Specialisation ME: | none |
| Annotation: |  |  |  |

## Additional COURSES “SCHAKELKLAS” (ONLY FOR TH-BACHELORS):

|  |  |  |  |
| --- | --- | --- | --- |
| Course code | Course name | EC |  |
|       |       |       |  |
|       |       |       |  |
|       |       |       |  |
|       |       |       |  |

## COURSES Obligatory for Master ME including a society oriented course (≤ 6 ECTS)

|  |  |  |  |
| --- | --- | --- | --- |
| Course code | Course name | EC |  |
| ME46005 | Physics and Measurement | 6 |  |
| ME46000 | Nonlinear Mechanics | 4 |  |
| SC42000 | Control Systems Design | 3 |  |
| ME45000 | Heat Transfer | 3 |  |
|  |  |  |  |
| Total obligatory courses Master 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 courses track |  |  |

## COURSES ME-HTE obligatory courses II (choose a minimum of 5 out of 6)\*

|  |  |  |  |
| --- | --- | --- | --- |
| Course code | Course name | EC |  |
| **☐** ME46055 | Engineering Dynamics | 4 |  |
| **☐** ME46085 | Mechatronic System Design | 4 |  |
| **☐** ME46020 | Micro- & Nanosystems Design & Fabrication, incl. MEMS Lab. | 4 |  |
| **☐** ME46015 | Precision Mechanism Design  | 4 |  |
| **☐** ME46070 | Fundamentals of Mechanical Analysis | 4 |  |
| **☐** ME46060 | Eng. Optimization: Concept & Applications | 3 |  |
| Total obligatory courses track |  |  |

**COURSES** Recommended Electives

|  |  |  |  |
| --- | --- | --- | --- |
| Course code | Course name | EC |  |
|       |       |       |  |
|       |       |       |  |
|       |       |       |  |
| Total star elective courses  |  |  |

**COURSES** Electives

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

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

|  |  |  |  |
| --- | --- | --- | --- |
| Code | Assignment name | EC |  |
| ME56015 | Traineeship PME | 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: Examination board:

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last updated 10/9/2019