|  |  |  |  |
| --- | --- | --- | --- |
| Student name: |  | Track: | **MULTI-MACHINE ENGINEERING** |
| Student number: |  |  |  |

## COURSES Obligatory for Master:

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

## COURSES OBLIGATORY FOR TRACK MME

|  |  |  |
| --- | --- | --- |
| Course code | Course name | EC |
| ME44101 | Dynamics and Interaction of Material and Equipment | 4 |
| ME44105 | Structural Design with FEM | 4 |
| ME44110 | Integration Project Multi-Machine Systems | 5 |
| ME44200 | Operations & Maintenance | 3 |
| ME44206 | Quantitative Methods for Logistics | 5 |
| ME44300 | Multi-Machine Coordination for Logistics | 3 |
| ME44305 | System Analysis and Simulation | 5 |
|  | Total | **29** |

## COURSES Recommended for the MSc Mechanical Engineering (≥ 5 EC Obligatory, me44210 obligatory for MME)

|  |  |  |  |
| --- | --- | --- | --- |
|  | Course code | Course name | EC |
|  | ME41105 | Intelligent Vehicles | 4 |
|  | ME44210 | Drive & Energy Systems | 3 |
|  | ME45001 | Advanced Heat Transfer | 4 |
|  | ME45042 | Advanced Fluid Dynamics | 5 |
|  | SC42001 | Control System Design | 5 |
|  |  | **Total** |  |

## SOCIAL COURSES select one course or no more than 6 ECTS

|  |  |  |  |
| --- | --- | --- | --- |
|  | Course code | Course name | EC |
|  | ID4235 | Reflection on Designing | 3 |
|  | SPM9448 | Methods for Risc Analysis and Management | 5 |
|  | TPM404A | Technology Entrepreneurship and Global Development | 4 |
|  | TPM416A | Turning technology into business | 6 |
|  | TPM420A | Ready to startup | 6 |
|  | WM0320TU | Ethics and Engineering | 3 |
|  | WM0349WB | Philosophy of engineering science and design | 3 |
|  | WM0801TU | Introduction to Safety Science | 3 |
|  | WM1301TU | Ethics of Transportation | 3 |
|  | WM1302TU | Ethics of Transportation + essay | 5 |
|  | wm1401TU | Ethics of Healthcare Technologies | 3 |
|  |  | Total |  |

**ELECTIVE COURSES** select from recommended and/or fill in other courses

|  |  |  |  |
| --- | --- | --- | --- |
|  | Course code | Course name | EC |
|  | ME44115 | Discrete Element Method (DEM) Simulation | 4 |
|  | ME44125 | Reliability and Maintenance of Transport Equipment | 3 |
|  | ME44311 | Advanced Operations and Production Management | 5 |
|  | ME44312 | Machine Learning for Transport and Multi-Machine Systems | 3 |
|  | MT44000 | Mechatronics in MT | 5 |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  | Total |  |

## 

## ASSIGNMENTS/2nd YEAR MSc-project, Traineeship, other projects

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Code | course name | | | EC |
| ME54010 | ME-MME Literature Assignment | | | 10 |
| ME54015 | ME-MME Research Assignment | | | 15 |
| ME54035 | ME-MME MSC Project | | | 35 |
|  | Total | | | **60** |
| Total of complete program (≥ 120 EC) | |  |  | |

|  |  |  |
| --- | --- | --- |
| Signature Master Coordinator:  M.B. Duinkerken | Signature student: | (on behalf of) Examination board: |
| Date: | Date: |  |