

Course of Study Mechanical Engineering and Management (Study Cohort w16)

Sample course plan A Master Mechanical Engineering and Management (IMPMEM)
Specialisation Management, Specialisation Mechatronics

Legend:

| | | | |
|--|------------------------------------|---------------------------|------------------------------|
| Core qualification Compulsory | Specialisation Compulsory | Focus Compulsory | Thesis Compulsory |
| Core qualification Elective Compulsory | Specialisation Elective Compulsory | Focus Elective Compulsory | Interdisciplinary complement |

| LP | Semester 1 | Form Hrs/wk | Semester 2 | Form Hrs/wk | Semester 3 | Form Hrs/wk | Semester 4 | Form Hrs/wk |
|---|--|-------------|--|-------------|--|-------------|----------------------|-------------|
| 1 | Robotics | | Selected Topics of Management and Law (part 2) | | Research Project MEM | | Master Thesis | |
| 2 | Robotics: Modelling and Control | VL 3 | Selection from a catalog | | | | | |
| 3 | Robotics: Modelling and Control | UE 2 | | | | | | |
| 4 | | | Selected Topics of Materials, Mechatronics, and Product Development and Production (part 2) | | | | | |
| 5 | | | Selection from a catalog | | | | | |
| 6 | | | | | | | | |
| 7 | Computer Aided Design and Computation | | Economics | | | | | |
| 8 | Computer Aided Design and Computation | VL 2 | Main Theoretical and Political Concepts | VL 2 | | | | |
| 9 | Computer Aided Design and Computation | UE 2 | International Economics | VL 2 | | | | |
| 10 | | | | | | | | |
| 11 | | | | | | | | |
| 12 | | | | | | | | |
| 13 | Multiphase Materials | | Technology Entrepreneurship | | Corporate Entrepreneurship & Growth | | | |
| 14 | Structure and Properties of Composites | VL 2 | Entrepreneurship | VL 2 | Corporate Entrepreneurship in the Digital Age | SE 3 | | |
| 15 | Applied Computational Methods for Material Science | PBL 3 | Creation of Business Opportunities | PBL 3 | Entrepreneurial Finance | SE 2 | | |
| 16 | | | | | | | | |
| 17 | | | | | | | | |
| 18 | | | | | | | | |
| 19 | Selected Topics of Management and Law (part 1) | | Nonlinear Dynamics | | Digital Signal Processing and Digital Filters | | | |
| 20 | Selection from a catalog | | Nonlinear Dynamics | VL 4 | Digital Signal Processing and Digital Filters | VL 3 | | |
| 21 | | | | | Digital Signal Processing and Digital Filters | HÜ 1 | | |
| 22 | Selected Topics of Materials, Mechatronics, and Product Development and Production (part 1) | | | | | | | |
| 23 | Selection from a catalog | | | | | | | |
| 24 | | | | | | | | |
| 25 | Marketing and Communication | | | | Control Systems Theory and Design | | | |
| 26 | Business-to-Business Marketing | VL 2 | | | Control Systems Theory and Design | VL 2 | | |
| 27 | Intercultural Management and Communication | VL 2 | | | Control Systems Theory and Design | UE 2 | | |
| 28 | Case Studies of Marketing and Communication | UE 1 | | | | | | |
| 29 | | | | | | | | |
| 30 | | | | | | | | |
| Nontechnical Elective Complementary Courses for Master (from catalogue) - 6LP | | | | | | | | |

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.

