

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

Sample course plan B Master Mechanical Engineering and Management (IMPMEM)
Specialisation Management, Specialisation Materials

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 Business Administration (IPM) (part 2)		Research Project MEM		Master Thesis	
2	Robotics: Modelling and Control	VL 3						
3	Robotics: Modelling and Control	UE 2	Human Resource Management and Organization Design	VL 2				
4			Project Management Methods	VL 1				
5			Selected Topics of Materials, Mechatronics, and Product Development and Production (part 2)					
6			Selection from a catalog					
7	Computer Aided Design and Computation		International Production Management and Enterprise Resource Planning: CERMEDES AG					
8	Computer Aided Design and Computation	VL 2	International Production Management and Enterprise Resource Planning: CERMEDES AG	SE 2				
9	Computer Aided Design and Computation	UE 2						
10								
11								
12								
13	Multiphase Materials		Quantitative Research Methods					
14	Structure and Properties of Composites	VL 2	Quantitative Research Methods	PS 3				
15	Applied Computational Methods for Material Science	PBL 3						
16								
17								
18								
19	Selected Topics of Business Administration (IPM) (part 1)		Manufacturing with Polymers and Composites - From Molecule to Part					
20	Corporate Finance	VL 2	Manufacturing with Polymers and Composites	VL 2				
21			From Molecule to Composites Part	PBL 2				
22	Selected Topics of Materials, Mechatronics, and Product Development and Production (part 1)							
23	Selection from a catalog							
24	Marketing and Communication		Mechanical Properties					
25	Business-to-Business Marketing	VL 2	Mechanical Behaviour of Brittle Materials	VL 2				
26	Intercultural Management and Communication	VL 2	Dislocation Theory of Plasticity	VL 2				
27	Case Studies of Marketing and Communication	UE 1						
28								
29								
30								
31								
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.

