

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

Sample course plan B Master Mechanical Engineering and Management (IMP MEM)
Specialisation Mechatronics, Specialisation Product Development and Production

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	Human Resource Management and Organization Design	VL 2				
3	Robotics: Modelling and Control	UE 2	Project Management Methods	VL 1				
4								
5			Selected Topics of Materials, Mechatronics, and Product Development and Production (part 2)					
6			Selection from a catalog					
7	Computer Aided Design and Computation							
8	Computer Aided Design and Computation	VL 2	Nonlinear Dynamics					
9	Computer Aided Design and Computation	UE 2	Nonlinear Dynamics	VL 4				
10								
11								
12								
13	Multiphase Materials		Boundary Element Methods		Industrial Process Automation			
14	Structure and Properties of Composites	VL 2	Boundary Element Methods	VL 2	Industrial Process Automation	VL 2		
15	Applied Computational Methods for Material Science	PBL 3	Boundary Element Methods	HÜ 2	Industrial Process Automation	UE 2		
16								
17								
18								
19	Selected Topics of Business Administration (IPM) (part 1)		Rapid Production		3D Printing Laboratory			
20	Corporate Finance	VL 2	Rapid Production	VL 2	3D Printing Laboratory	PR 3		
21			Rapid Production	SE 2				
22	Selected Topics of Materials, Mechatronics, and Product Development and Production (part 1)							
23	Selection from a catalog							
24	Marketing and Communication				Laser Systems and Metallic Materials			
25	Business-to-Business Marketing	VL 2			Laser Systems and Process Technologies	VL 2		
26	Intercultural Management and Communication	VL 2			Structural Metallic Materials	VL 2		
27	Case Studies of Marketing and Communication	UE 1						
28								
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.

