

Course of Study Mechanical Engineering and Management (Study Cohort w21)

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

Core Qualification Compulsory Specialisation Compulsory Focus Compulsory Thesis Compulsory
 Core Qualification Elective Compulsory Specialisation Elective Compulsory Focus Elective Compulsory Interdisciplinary complement

Specialisation Product Development and Production, Specialisation Materials

1	Robotics			Structure and properties of fibre-polymer-composites		Research Project IMPMEM	Master Thesis
2	Robotics: Modelling and Control	IV	4	Structure and properties of fibre-polymer-composites	VL 2		
3	Robotics: Modelling and Control	PBL	2	Structure and properties of fibre-polymer-composites	HÜ 1		
4				Structure and properties of fibre-polymer-composites	PBL 2		
5							
6							
7	Computer Aided Design and Computation			Selected Topics of Mechanical Engineering and Management (Alternative B: 6 CP) (part 2)			
8	Computer Aided Design and Computation	VL	2	Selection from a catalog			
9	Computer Aided Design and Computation	GÜ	2				
10				Applied Design Methodology in Mechatronics			
11				Applied Design Methodology in Mechatronics	VL 2		
12				Applied Design Methodology in Mechatronics	PBL 3		
13	Marketing and Communication					3D Printing Laboratory	
14	Business-to-Business Marketing	VL	2			3D Printing Laboratory	
15	Intercultural Management and Communication	VL	2			PR 3	
16	Case Studies of Marketing and Communication	GÜ	2				
17				Additive Production			
18				Additive Production	VL 2		
19				Additive Production	SE 2		
20	Selected Topics of Mechanical Engineering and Management (Alternative B: 6 CP) (part 1)						
21	Selection from a catalog						
22	Advanced Functional Materials			Mechanical Properties			
23	Advanced Functional Materials	SE	2	Mechanical Behaviour of Brittle Materials	VL 2		
24				Dislocation Theory of Plasticity	VL 2		
25							
26							
27							
28				Processing of fibre-polymer-composites			
29				From Molecule to Composites Part	PBL 2		
30				Processing of fibre-polymer-composites	VL 2		
31							
32							
33							
Business & Management (from catalogue) - 6LP							
Non-technical 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.

