

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 Mechatronics, Specialisation Product Development and Production

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				Nonlinear Dynamics			
11				Nonlinear Dynamics	IV 4		
12							
13	Marketing and Communication					Industrial Process Automation	
14	Business-to-Business Marketing	VL	2			Industrial Process Automation	
15	Intercultural Management and Communication	VL	2			Industrial Process Automation	
16	Case Studies of Marketing and Communication	GÜ	2				
17				Applied Design Methodology in Mechatronics			
18				Applied Design Methodology in Mechatronics	VL 2		
19	Selected Topics of Mechanical Engineering and Management (Alternative B: 6 CP) (part 1)			Applied Design Methodology in Mechatronics	PBL 3		
20	Selection from a catalog					3D Printing Laboratory	
21						3D Printing Laboratory	
22	Vibration Theory			AdditiveProduction			
23	Vibration Theory	IV	4	Additive Production	VL 2		
24				Additive Production	SE 2		
25							
26							
27							
28							
29							
30							
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.

