

Course of Study Mechanical Engineering and Management (Study Cohort w22)

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

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

Year	Course Name	Code	Credits	Category	Course Name	Credits	Category	Course Name	Credits	Category
1	Robotics				Structure and properties of fibre-polymer-composites			Research Project IMPMEM		
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				Practical module 2 (dual study program, Master's degree)					
8	Computer Aided Design and Computation	VL	2		Practical term 2		0			
9	Computer Aided Design and Computation	GÜ	2							
10										
11										
12										
13	Practical module 1 (dual study program, Master's degree)				Practical module 3 (dual study program, Master's degree)					
14	Practical term 1		0		Practical term 3		0			
15										
16										
17										
18					Selected Topics of Mechanical Engineering and Management (Alternative B: 6 CP) (part 2)					
19					Selection from a catalog					
20										
21					Applied Design Methodology in Mechatronics					
22					Applied Design Methodology in Mechatronics	VL	2			
23	Marketing and Communication				Applied Design Methodology in Mechatronics	PBL	3			
24	Business-to-Business Marketing	VL	2					3D Printing Laboratory		
25	Intercultural Management and Communication	VL	2					3D Printing Laboratory	PR	3
26	Case Studies of Marketing and Communication	GÜ	2							
27					AdditiveProduction					
28					Additive Production	VL	2			
29					Additive Production	SE	2			
29	Selected Topics of Mechanical Engineering and Management (Alternative B: 6 CP) (part 1)									
30	Selection from a catalog									
31										
32	Advanced Functional Materials				Mechanical Properties					
33	Advanced Functional Materials	SE	2		Mechanical Behaviour of Brittle Materials	VL	2			
34					Dislocation Theory of Plasticity	VL	2			
35										
36										
37										
38					Processing of fibre-polymer-composites					
39					From Molecule to Composites Part	PBL	2			
40					Processing of fibre-polymer-composites	VL	2			
41										
Business & Management (from catalogue) - 6LP										
Linking theory and practice (dual study program, Master's degree) (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.

