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

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

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

LP				
1	**Robotics**	**Structure and properties of fibre-polymer-composites**	**Research Project IMPMEM**	**Master thesis (dual study program)**
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		**Selected Topics of Mechanical Engineering and Management (Alternative B: 6 CP) (part 2)**		
18		Selection from a catalog		
19				
20		**International Production Management and Enterprise Resource Planning: CERMEDES AG**		
21		International Production Management and Enterprise Resource Planning: CERMEDES AG SE 4		
22				
23	**Marketing and Communication**		**Advanced Topics in Management, Organization, and Human Resource Management**	
24	Business-to-Business Marketing VL 2		Advanced Topics in Management, Organization, and Human Resource Management VL 2	
25	Intercultural Management and Communication VL 2			
26	Case Studies of Marketing and Communication GÜ 2	**Nonlinear Dynamics**	Advanced Topics in Management, Organization, and Human Resource Management SE 2	
27		Nonlinear Dynamics IV 4		
28				
29	**Selected Topics of Mechanical Engineering and Management (Alternative B: 6 CP) (part 1)**		**Applied Statistics**	
30	Selection from a catalog		Applied Statistics VL 2	
31			Applied Statistics GÜ 1	
32	**Vibration Theory**		Applied Statistics PBL 2	
33	Vibration Theory IV 4			
34				
35			**Industrial Process Automation**	
36			Industrial Process Automation VL 2	
37			Industrial Process Automation GÜ 2	
38				
39				
40				

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.