

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

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 Materials			Research Project IMPMEM			Master Thesis		
1	<b>Robotics</b>		<b>Structure and properties of fibre-polymer-composites</b>					
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	<b>Computer Aided Design and Computation</b>		<b>Selected Topics of Mechanical Engineering and Management (Alternative B: 6 CP) (part 2)</b>					
8	Computer Aided Design and Computation	VL 2	Selection from a catalog					
9	Computer Aided Design and Computation	GÜ 2						
10			<b>Nonlinear Dynamics</b>					
11			Nonlinear Dynamics	IV 4				
12								
13	<b>Marketing and Communication</b>				<b>Industrial Process Automation</b>			
14	Business-to-Business Marketing	VL 2			Industrial Process Automation	VL 2		
15	Intercultural Management and Communication	VL 2			Industrial Process Automation	GÜ 2		
16	Case Studies of Marketing and Communication	GÜ 2						
17			<b>Mechanical Properties</b>					
18			Mechanical Behaviour of Brittle Materials	VL 2				
19			Dislocation Theory of Plasticity	VL 2				
20	<b>Selected Topics of Mechanical Engineering and Management (Alternative B: 6 CP) (part 1)</b>							
21	Selection from a catalog							
22	<b>Vibration Theory</b>		<b>Processing of fibre-polymer-composites</b>					
23	Vibration Theory	IV 4	From Molecule to Composites Part	PBL 2				
24			Processing of fibre-polymer-composites	VL 2				
25								
26								
27								
28	<b>Advanced Functional Materials</b>							
29	Advanced Functional Materials	SE 2						
30								
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.

