Course of Study Mechanical Engineering and Management (Study Cohort w20)

Sample course plan B Master Mechanical Engineering and Management (IMPMEM)
Specialisation Mechatronics, Specialisation Materials

LP								
1	**Robotics**			**Fibre-polymer-composites**			**Research Project IMPMEM**	**Master Thesis**
2	Robotics: Modelling and Control	VL	3	Design with fibre-polymer-composites	VL	2		
3	Robotics: Modelling and Control	HÜ	2	Structure and properties of fibre-polymer-composites	VL	2		
4								
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	VL 2
15	Intercultural Management and Communication	VL	2				Industrial Process Automation	GÜ 2
16	Case Studies of Marketing and Communication	GÜ	2	**Mechanical Properties**				
17				Mechanical Behaviour of Brittle Materials	VL	2		
18				Dislocation Theory of Plasticity	VL	2		
19	**Selected Topics of Mechanical Engineering and Management (Alternative B: 6 CP) (part 1)**							
20	Selection from a catalog							
21								
22	**Vibration Theory**			**Processing of fibre-polymer-composites**				
23	Vibration Theory	IV	4	From Molecule to Composites Part	PBL	2		
24				Processing of fibre-polymer-composites	VL	2		
25								
26								
27								
28	**Advanced Functional Materials**							
29	Advanced Functional Materials	SE	2					
30								
31								
32								
33								

Legend

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

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.