

Course of Study Mechanical Engineering and Management (Study Cohort w21)

Sample course plan A 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 Management, 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 A: 12 CP) (part 2)			
8	Computer Aided Design and Computation	VL	2	Selection from a catalog			
9	Computer Aided Design and Computation	GÜ	2				
10							
11							
12							
13	Selected Topics of Mechanical Engineering and Management (Alternative A: 12 CP) (part 1)			Technology Entrepreneurship		Entrepreneurial Finance	
14	Selection from a catalog			Entrepreneurship	VL 2	Entrepreneurial Finance: Lecture	
15				Creation of Business Opportunities	PBL 3	Entrepreneurial Finance: Case Studies	
16						SE 3	
17							
18							
19	Technology Management			High-Order FEM		Laser Systems and Metallic Materials	
20	Technology Management	VL	3	High-Order FEM	VL 3	Laser Systems and Process Technologies	
21	Technology Management Seminar	PBL	2	High-Order FEM	HÜ 1	Structural Metallic Materials	
22						VL 2	
23						VL 2	
24							
25				Applied Design Methodology in Mechatronics			
26				Applied Design Methodology in Mechatronics	VL 2		
27				Applied Design Methodology in Mechatronics	PBL 3		
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.

