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

Sample course plan A Master Mechanical Engineering and Management (IMPMEM)
Specialisation Management, Specialisation Product Engineering

Legend			
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**	
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 Entrepreneuship**			**Entrepreneurial Finance**				
14	Selection from a catalog			Entrepreneurship	VL	2	Entrepreneurial Finance: Lecture	VL	2		
15				Creation of Business Opportunities	PBL	3	Entrepreneurial Finance: Case Studies	SE	3		
16											
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	VL	2		
21	Technology Management Seminar	PBL	2	High-Order FEM	HÜ	1	Structural Metallic Materials	VL	2		
22											
23											
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.