

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

Sample course plan A Master Mechanical Engineering and Management (IMPMEM) Dual study program

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

Specialisation Management, Specialisation Materials			
1	Robotics		Structure and properties of fibre-polymer-composites
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			
18			Selected Topics of Mechanical Engineering and Management (Alternative A: 12 CP)
19			(part 2)
20			Selection from a catalog
21			
22			
23	Selected Topics of Mechanical Engineering and Management (Alternative A: 12 CP)		Technology Entrepreneurship
24	(part 1)		Entrepreneurship VL 2
25	Selection from a catalog		Creation of Business Opportunities PBL 3
26			Entrepreneurial Finance
27			Entrepreneurial Finance: Lecture VL 2
28			Entrepreneurial Finance: Case Studies SE 3
29	Technology Management		Interfaces and interface-dominated Materials (part 1)
30	Technology Management	VL 3	Interfaces VL 2
31	Technology Management Seminar	PBL 2	Interfaces and interface-dominated Materials (part 2)
32			Nature's Hierarchical Materials SE 2
33			Processing of fibre-polymer-composites
34			From Molecule to Composites Part PBL 2
35	Advanced Functional Materials		Processing of fibre-polymer-composites VL 2
36	Advanced Functional Materials	SE 2	
37			
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.

