

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 Mechatronics, 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
3	Robotics: Modelling and Control	PBL 2	Structure and properties of fibre-polymer-composites
4			Structure and properties of fibre-polymer-composites
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
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
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)		Nonlinear Dynamics
24	(part 1)		Nonlinear Dynamics
25	Selection from a catalog	IV 4	Digital Signal Processing and Digital Filters
26			Digital Signal Processing and Digital Filters
27			Digital Signal Processing and Digital Filters
28			
29	Advanced Functional Materials		Control Systems Theory and Design
30	Advanced Functional Materials	SE 2	Control Systems Theory and Design
31			Control Systems Theory and Design
32			
33			Processing of fibre-polymer-composites
34			From Molecule to Composites Part
35			Processing of fibre-polymer-composites
36			
37			Interfaces and interface-dominated Materials (part 2)
			Nature's Hierarchical Materials
	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.

