

Course of Study Mechanical Engineering and Management (Study Cohort w18)

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

Legend:

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

LP	Semester 1	Form Hrs/wk	Semester 2	Form Hrs/wk	Semester 3	Form Hrs/wk	Semester 4	Form Hrs/wk
1	Robotics		Fibre-polymer-composites		Research Project IMP MEM		Master Thesis	
2	Robotics: Modelling and Control	VL 3	Design with fibre-polymer-composites	VL 2				
3	Robotics: Modelling and Control	UE 2	Structure and properties of fibre-polymer-composites	VL 2				
4								
5								
6								
7	Computer Aided Design and Computation		Selected Topics of Business Administration (IPM) (part 2)					
8	Computer Aided Design and Computation	VL 2	Human Resource Management and Organization Design	VL 2				
9	Computer Aided Design and Computation	UE 2	Project Management Methods	VL 1				
10								
11								
12			Selected Topics of Mechanical Engineering and Management (part 2)					
13	Selected Topics of Business Administration (IPM) (part 1)		Selection from a catalog		Industrial Process Automation			
14	Corporate Finance	VL 2	Nonlinear Dynamics		Industrial Process Automation	VL 2		
15	Selected Topics of Mechanical Engineering and Management (part 1)		Nonlinear Dynamics	IV 4	Industrial Process Automation	UE 2		
16	Selection from a catalog							
17								
18	Vibration Theory (GES)				Advanced Functional Materials			
19	Vibration Theory	VL 2	Mechanical Properties		Advanced Functional Materials	SE 2		
20	Vibration Theory	HÜ 1	Mechanical Behaviour of Brittle Materials	VL 2				
21			Dislocation Theory of Plasticity	VL 2				
22								
23	Continuum Mechanics							
24	Continuum Mechanics	VL 2						
25	Continuum Mechanics Exercise	UE 2						
26								
27								
28								
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30								
Business & Management (from catalogue) - 6LP								
Nontechnical Elective Complementary 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.

