

Course of Study Mechanical Engineering and Management (Study Cohort w17)

Sample course plan A 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 Mechanical Engineering and Management (part 2)								
8	Computer Aided Design and Computation	VL	2	Selection from a catalog								
9	Computer Aided Design and Computation	UE	2									
10				Nonlinear Dynamics								
11				Nonlinear Dynamics	VL	4						
12												
13	Selected Topics of Mechanical Engineering and Management (part 1)						Digital Signal Processing and Digital Filters					
14	Selection from a catalog						Digital Signal Processing and Digital Filters	VL	3			
15							Digital Signal Processing and Digital Filters	HÜ	1			
16	Marketing and Communication			Mechanical Properties								
17	Business-to-Business Marketing	VL	2	Mechanical Behaviour of Brittle Materials	VL	2						
18	Intercultural Management and Communication	VL	2	Dislocation Theory of Plasticity	VL	2						
19							Control Systems Theory and Design					
20	Case Studies of Marketing and Communication	UE	1				Control Systems Theory and Design	VL	2			
21							Control Systems Theory and Design	UE	2			
22	Continuum Mechanics											
23	Continuum Mechanics	VL	2									
24	Continuum Mechanics Exercise	UE	2									
25							Advanced Functional Materials					
26							Advanced Functional Materials	VL	2			
27												
28												
29												
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.