

Course of Study Mechanical Engineering and Management (Study Cohort w20)

Sample course plan B Master Mechanical Engineering and Management (IMPMEM)
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 IMPMEM		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 (Alternative B: 6 CP) (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	IV 4				
12								
13	Marketing and Communication		Mechanical Properties			Industrial Process Automation		
14	Business-to-Business Marketing	VL 2	Mechanical Behaviour of Brittle Materials	VL 2	Industrial Process Automation	VL 2		
15	Intercultural Management and Communication	VL 2	Dislocation Theory of Plasticity	VL 2	Industrial Process Automation	UE 2		
16								
17	Case Studies of Marketing and Communication	UE 2						
18								
19	Selected Topics of Mechanical Engineering and Management (Alternative B: 6 CP) (part 1)							
20	Selection from a catalog							
21								
22	Vibration Theory		Processing of fibre-polymer-composites					
23	Vibration Theory	IV 4	From Molecule to Composites Part	PBL 2				
24			Processing of fibre-polymer-composites	VL 2				
25								
26								
27								
28	Advanced Functional Materials							
29	Advanced Functional Materials	SE 2						
30								
31								
32								
33								
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.

