

Course of Study Mechanical Engineering and Management (Study Cohort w19)

Sample course plan B Master Mechanical Engineering and Management (IMPMEM)
Specialisation Product Development and Production, 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 A: 12 CP) (part 2)					
8	Computer Aided Design and Computation	VL 2	Selection from a catalog					
9	Computer Aided Design and Computation	UE 2						
10								
11								
12								
13	Selected Topics of Mechanical Engineering and Management (Alternative A: 12 CP) (part 1)		AdditiveProduction		3D Printing Laboratory			
14	Selection from a catalog		Additive Production	VL 2	3D Printing Laboratory	PR 3		
15			Additive Production	SE 2				
16								
17								
18								
19	Continuum Mechanics		Mechanical Properties		Laser Systems and Metallic Materials			
20	Continuum Mechanics	VL 2	Mechanical Behaviour of Brittle Materials	VL 2	Laser Systems and Process Technologies	VL 2		
21	Continuum Mechanics Exercise	UE 2	Dislocation Theory of Plasticity	VL 2	Structural Metallic Materials	VL 2		
22								
23								
24								
25					Advanced Functional Materials			
26					Advanced Functional Materials	SE 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.

