

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

Sample course plan A Master Mechanical Engineering and Management (IMPMEM)
Specialisation Management, 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)		Technology Entrepreneurship		Corporate Entrepreneurship & Growth			
14	Selection from a catalog		Entrepreneurship	VL 2	Corporate Entrepreneurship in the Digital Age	SE 3		
15			Creation of Business Opportunities	PBL 3	Entrepreneurial Finance	SE 2		
16								
17								
18								
19	Technology Management		Interfaces and interface-dominated Materials (part 1)		Interfaces and interface-dominated Materials (part 2)			
20	Technology Management	PBL 3	Interfaces	VL 2	Nature's Hierarchical Materials	SE 2		
21	Technology Management Seminar	PBL 2						
22			Processing of fibre-polymer-composites					
23			From Molecule to Composites Part	PBL 2				
24			Processing of fibre-polymer-composites	VL 2				
25	Advanced Functional Materials							
26	Advanced Functional Materials	SE 2						
27								
28								
29								
30								
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.

