

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

Sample course plan A Master Mechanical Engineering and Management (IMPMEM)  
Specialisation Management, Specialisation Product Development and Production

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	<b>Robotics</b>		<b>Fibre-polymer-composites</b>		<b>Research Project IMPMEM</b>		<b>Master Thesis</b>	
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	<b>Computer Aided Design and Computation</b>		<b>Selected Topics of Mechanical Engineering and Management (Alternative A: 12 CP) (part 2)</b>					
8	Computer Aided Design and Computation	VL 2	Selection from a catalog					
9	Computer Aided Design and Computation	UE 2						
10								
11								
12								
13	<b>Selected Topics of Mechanical Engineering and Management (Alternative A: 12 CP) (part 1)</b>		<b>Technology Entrepreneurship</b>		<b>Corporate Entrepreneurship &amp; Growth</b>			
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	<b>Technology Management</b>		<b>High-Order FEM</b>		<b>Laser Systems and Metallic Materials</b>			
20	Technology Management	PBL 3	High-Order FEM	VL 3	Laser Systems and Process Technologies	VL 2		
21	Technology Management Seminar	PBL 2	High-Order FEM	HÜ 1	Structural Metallic Materials	VL 2		
22								
23								
24								
25			<b>Applied Design Methodology in Mechatronics</b>					
26			Applied Design Methodology in Mechatronics	VL 2				
27			Applied Design Methodology in Mechatronics	PBL 3				
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.

