

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

Sample course plan B Master Mechanical Engineering and Management (IMPMEM)  
Specialisation Mechatronics, 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 B: 6 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			<b>Nonlinear Dynamics</b>					
11			Nonlinear Dynamics	IV 4				
12								
13	<b>Marketing and Communication</b>		<b>Applied Design Methodology in Mechatronics</b>			<b>Industrial Process Automation</b>		
14	Business-to-Business Marketing	VL 2	Applied Design Methodology in Mechatronics	VL 2	Industrial Process Automation	VL 2		
15	Intercultural Management and Communication	VL 2	Applied Design Methodology in Mechatronics	PBL 3	Industrial Process Automation	UE 2		
16	Case Studies of Marketing and Communication	UE 2	Applied Design Methodology in Mechatronics					
17					<b>3D Printing Laboratory</b>			
18	<b>Selected Topics of Mechanical Engineering and Management (Alternative B: 6 CP) (part 1)</b>				3D Printing Laboratory	PR 3		
19	Selection from a catalog							
20			<b>AdditiveProduction</b>					
21	<b>Vibration Theory</b>		Additive Production	VL 2				
22	Vibration Theory	IV 4	Additive Production	SE 2				
23								
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	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.

