

# Course of Study Mechanical Engineering and Management (Study Cohort w18)

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 Business Administration (IPM) (part 2)</b>					
8	Computer Aided Design and Computation	VL 2	Human Resource Management and Organization Design	VL 2				
9	Computer Aided Design and Computation	UE 2	Project Management Methods	VL 1				
10								
11								
12			<b>Selected Topics of Mechanical Engineering and Management (part 2)</b>					
13	<b>Selected Topics of Business Administration (IPM) (part 1)</b>		Selection from a catalog			<b>Industrial Process Automation</b>		
14	Corporate Finance	VL 2	<b>Nonlinear Dynamics</b>		Industrial Process Automation	VL 2		
15			Nonlinear Dynamics	IV 4	Industrial Process Automation	UE 2		
16	<b>Selected Topics of Mechanical Engineering and Management (part 1)</b>							
17	Selection from a catalog							
18	<b>Vibration Theory (GES)</b>							
19	Vibration Theory	VL 2			<b>3D Printing Laboratory</b>			
20	Vibration Theory	HÜ 1	<b>Rapid Production</b>		3D Printing Laboratory	PR 3		
21			Rapid Production	VL 2				
22			Rapid Production	SE 2				
23								
24								
25					<b>Laser Systems and Metallic Materials</b>			
26					Laser Systems and Process Technologies	VL 2		
27					Structural Metallic Materials	VL 2		
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.

