

# Course of Study Mechanical Engineering and Management (Study Cohort w17)

Sample course plan B Master Mechanical Engineering and Management (IMP MEM)  
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	<b>Robotics</b>			<b>Fibre-polymer-composites</b>			<b>Research Project IMP MEM</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				<b>Selected Topics of Mechanical Engineering and Management (part 2)</b>								
12				Selection from a catalog								
13	<b>Selected Topics of Business Administration (IPM) (part 1)</b>						<b>3D Printing Laboratory</b>					
14	Corporate Finance	VL	2	<b>Rapid Production</b>			3D Printing Laboratory	PR	3			
15				Rapid Production	VL	2						
16	<b>Selected Topics of Mechanical Engineering and Management (part 1)</b>			Rapid Production	SE	2						
17	Selection from a catalog											
18	<b>Continuum Mechanics</b>											
19	Continuum Mechanics	VL	2	<b>Mechanical Properties</b>			<b>Laser Systems and Metallic Materials</b>					
20	Continuum Mechanics Exercise	UE	2	Mechanical Behaviour of Brittle Materials	VL	2	Laser Systems and Process Technologies	VL	2			
21				Dislocation Theory of Plasticity	VL	2	Structural Metallic Materials	VL	2			
22												
23												
24												
25							<b>Advanced Functional Materials</b>					
26							Advanced Functional Materials	VL	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.