

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

Sample course plan B Master Mechanical Engineering and Management (IMP MEM)  
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	<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		<b>Management, Organization and Human Resource Management</b>			
13	<b>Selected Topics of Business Administration (IPM) (part 1)</b>		<b>International Production Management and Enterprise Resource Planning: CERMEDES AG</b>		Management, Organization and Human Resource Management	VL 2		
14	Corporate Finance	VL 2	International Production Management and Enterprise Resource Planning: CERMEDES AG	SE 2	Management, Organization and Human Resource Management	SE 2		
15	<b>Selected Topics of Mechanical Engineering and Management (part 1)</b>							
16	Selection from a catalog							
17			<b>Quantitative Research Methods</b>		<b>Advanced Functional Materials</b>			
18	<b>Continuum Mechanics</b>		Quantitative Research Methods	PS 3	Advanced Functional Materials	SE 2		
19	Continuum Mechanics	VL 2						
20	Continuum Mechanics Exercise	UE 2						
21			<b>Mechanical Properties</b>					
22			Mechanical Behaviour of Brittle Materials	VL 2				
23			Dislocation Theory of Plasticity	VL 2				
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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.

