

# Course of Study Mechanical Engineering and Management (Study Cohort w16)

Sample course plan A Master Mechanical Engineering and Management (IMPMEM)  
Specialisation Management, Specialisation Mechatronics

Legend:

Core qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
Core qualification Elective	Specialisation Elective	Focus Elective Compulsory	Interdisciplinary complement
Compulsory	Compulsory		

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>Selected Topics of Management and Law (part 2)</b>			<b>Research Project MEM</b>			<b>Master Thesis</b>		
2	Robotics: Modelling and Control	VL	3	Selection from a catalog								
3	Robotics: Modelling and Control	UE	2									
4				<b>Selected Topics of Materials, Mechatronics, and Product Development and Production (part 2)</b>								
5				Selection from a catalog								
6												
7	<b>Computer Aided Design and Computation</b>			<b>Economics</b>								
8	Computer Aided Design and Computation	VL	2	Main Theoretical and Political Concepts	VL	2						
9	Computer Aided Design and Computation	UE	2	International Economics	VL	2						
10												
11												
12												
13	<b>Multiphase Materials</b>			<b>Technology Entrepreneurship</b>			<b>Corporate Entrepreneurship &amp; Growth</b>					
14	Structure and Properties of Composites	VL	2	Entrepreneurship	VL	2	Corporate Entrepreneurship in the Digital Age	SE	3			
15	Applied Computational Methods for Material Science	POL	3	Creation of Business Opportunities	POL	3	Entrepreneurial Finance	SE	2			
16												
17												
18												
19	<b>Selected Topics of Management and Law (part 1)</b>			<b>Nonlinear Dynamics</b>			<b>Digital Signal Processing and Digital Filters</b>					
20	Selection from a catalog			Nonlinear Dynamics	VL	4	Digital Signal Processing and Digital Filters	VL	3			
21							Digital Signal Processing and Digital Filters	HÜ	1			
22	<b>Selected Topics of Materials, Mechatronics, and Product Development and Production (part 1)</b>											
23	Selection from a catalog											
24												
25	<b>Marketing and Communication</b>						<b>Control Systems Theory and Design</b>					
26	Business-to-Business Marketing	VL	2				Control Systems Theory and Design	VL	2			
27	Intercultural Management and Communication	VL	2				Control Systems Theory and Design	UE	2			
28	Case Studies of Marketing and Communication	UE	1									
29												
30												
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.