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

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 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	**Robotics**			**Fibre-polymer-composites**			**Research Project IMPMEM**			**Master Thesis**		
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	**Computer Aided Design and Computation**			**Selected Topics of Mechanical Engineering and Management (part 2)**								
8	Computer Aided Design and Computation	VL	2	Selection from a catalog								
9	Computer Aided Design and Computation	UE	2									
10				**Economics**								
11				Main Theoretical and Political Concepts	VL	2						
12				International Economics	VL	2						
13	**Selected Topics of Mechanical Engineering and Management (part 1)**						**Corporate Entrepreneurship & Growth**					
14	Selection from a catalog						Corporate Entrepreneurship in the Digital Age	SE	3			
15							Entrepreneurial Finance	SE	2			
16	**Marketing and Communication**			**Technology Entrepreneushiip**								
17	Business-to-Business Marketing	VL	2	Entrepreneurship	VL	2						
18	Intercultural Management and Communication	VL	2	Creation of Business Opportunities	PBL	3	**Digital Signal Processing and Digital Filters**					
19							Digital Signal Processing and Digital Filters	VL	3			
20	Case Studies of Marketing and Communication	UE	2				Digital Signal Processing and Digital Filters	HÜ	1			
21												
22				**Nonlinear Dynamics**			**Control Systems Theory and Design**					
23				Nonlinear Dynamics	IV	4	Control Systems Theory and Design	VL	2			
24							Control Systems Theory and Design	UE	2			
25												
26												
27												
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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.