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

Sample course plan B Master Mechanical Engineering and Management (IMPMEM)
Specialisation Mechatronics, 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	**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 Business Administration (IPM) (part 2)**								
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				**Selected Topics of Mechanical Engineering and Management (part 2)**								
12				Selection from a catalog								
13	**Selected Topics of Business Administration (IPM) (part 1)**						**Industrial Process Automation**					
14	Corporate Finance	VL	2	**Nonlinear Dynamics**			Industrial Process Automation	VL	2			
15				Nonlinear Dynamics	VL	4	Industrial Process Automation	UE	2			
16	**Selected Topics of Mechanical Engineering and Management (part 1)**											
17	Selection from a catalog											
18	**Vibration Theory (GES)**						**Advanced Functional Materials**					
19	Vibration Theory	VL	2				Advanced Functional Materials	VL	2			
20	Vibration Theory	HÜ	1	**Mechanical Properties**								
21				Mechanical Behaviour of Brittle Materials	VL	2						
22				Dislocation Theory of Plasticity	VL	2						
23												
24	**Continuum Mechanics**											
25	Continuum Mechanics	VL	2									
26	Continuum Mechanics Exercise	UE	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.