

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

Sample course plan B Master Mechanical Engineering and Management (IMP MEM)
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												
4	Robotics: Modelling and Control	UE	2	Structure and properties of fibre-polymer-composites	VL	2						
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				Project Management Methods	VL	1						
10	Computer Aided Design and Computation	UE	2									
11				Selected Topics of Mechanical Engineering and Management (part 2)								
12				Selection from a catalog								
13	Selected Topics of Business Administration (IPM) (part 1)						Management, Organization and Human Resource Management					
14	Corporate Finance	VL	2	International Production Management and Enterprise Resource Planning: CERMEDES AG			Management, Organization and Human Resource Management	VL	2			
15				International Production Management and Enterprise Resource Planning: CERMEDES AG	SE	2	Management, Organization and Human Resource Management	SE	2			
16	Selected Topics of Mechanical Engineering and Management (part 1)											
17	Selection from a catalog											
18	Vibration Theory (GES)						Industrial Process Automation					
19	Vibration Theory	VL	2	Quantitative Research Methods			Industrial Process Automation	VL	2			
20				Quantitative Research Methods	PS	3	Industrial Process Automation	UE	2			
21	Vibration Theory	HÜ	1									
22												
23												
24												
25												
26				Nonlinear Dynamics								
27				Nonlinear Dynamics	VL	4						
28												
29												
30												
31												
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.