Course of Study Mechatronics (Study Cohort w23)

Legend

CS Qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
Core Qualification Elective Compulsory	Specialisation Elective Compulsory	Focus Elective Compulsory	Interdisciplinary complement

Sample course plan R Master Mechatronics (IMPMEC)

1	**Robotics**			**Optimal and Robust Control**			**Research Project Mechatronics**			**Master Thesis**	
2	Robotics: Modelling and Control	IV	4	Optimal and Robust Control	VL	2					
3	Robotics: Modelling and Control	PBL	2	Optimal and Robust Control	GÜ	2					
4											
5											
6											
7	**Vibration Theory**			**Applied Humanoid Robotics**							
8	Vibration Theory	IV	4	Applied Humanoid Robotics	PBL	6					
9											
10											
11											
12											
13	**Finite Elements Methods**						**Intelligent Autonomous Agents and Cognitive Robotics**				
14	Finite Element Methods	VL	2				Intelligent Autonomous Agents and Cognitive Robotics	VL	2		
15	Finite Element Methods	HÜ	2				Intelligent Autonomous Agents and Cognitive Robotics	GÜ	2		
16											
17											
18											
19	**Control Systems Theory and Design**						**Industrial Process Automation**				
20	Control Systems Theory and Design	VL	2				Industrial Process Automation	VL	2		
21	Control Systems Theory and Design	GÜ	2				Industrial Process Automation	GÜ	2		
22											
23											
24											
25	**Design and Implementation of Software Systems**						**Image Processing**				
26	Design and Implementation of Software Systems	VL	2				Image Processing	VL	2		
27	Design and Implementation of Software Systems	PBL	2				Image Processing	GÜ	2		
28											
29											
30											
31							**Mathematical Image Processing**				
32							Mathematical Image Processing	VL	3		
33							Mathematical Image Processing	GÜ	1		
34											
35											
36											
	Business & Management (from catalogue) - 6LP										
	Non-technical 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.