Course of Study Mechatronics (Study Cohort w22)

Sample course plan B Master Mechatronics (IMPMEC)

Specialisation System Design

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1	**Robotics**	**Nonlinear Dynamics**	**Research Project Mechatronics**	**Master Thesis**
2	Robotics: Modelling and Control IV 4	Nonlinear Dynamics IV 4		
3	Robotics: Modelling and Control PBL 2			
4				
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6				
7	**Vibration Theory**	**Embedded Systems**		
8	Vibration Theory IV 4	Embedded Systems VL 3		
9		Embedded Systems GÜ 1		
10		Embedded Systems PBL 1		
11				
12				
13	**Finite Elements Methods**	**Optimal and Robust Control**	**Nonlinear Structural Analysis**	
14	Finite Element Methods VL 2	Optimal and Robust Control VL 2	Nonlinear Structural Analysis VL 3	
15	Finite Element Methods HÜ 2	Optimal and Robust Control GÜ 2	Nonlinear Structural Analysis GÜ 1	
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19	**Control Systems Theory and Design**	**Applied Design Methodology in Mechatronics**	**Microsystem Engineering**	
20	Control Systems Theory and Design VL 2	Applied Design Methodology in Mechatronics VL 2	Microsystem Engineering VL 2	
21	Control Systems Theory and Design GÜ 2	Applied Design Methodology in Mechatronics PBL 3	Microsystem Engineering PBL 2	
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24				
25	**Design and Implementation of Software Systems**			
26	Design and Implementation of Software Systems VL 2			
27	Design and Implementation of Software Systems PR 2			
28				
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| 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.