

# Course of Study Mechatronics (Study Cohort w16)

Sample course plan B Master Mechatronics (IMPMEC)

Specialisation System Design					Semester 2			Semester 3			Semester 4			
		Form	Hrs/wk			Form	Hrs/wk			Form	Hrs/wk		Form	Hrs/wk
1	<b>Robotics</b>				<b>Mechatronic Systems</b>				<b>Research Project Mechatronics</b>				<b>Master Thesis</b>	
2	Robotics: Modelling and Control VL 3				Electro- and Contromechanics VL 2									
3	Robotics: Modelling and Control GÜ 2				Mechatronics Laboratory FL 2									
4					Electro- and Contromechanics GÜ 1									
5														
6														
7	<b>Finite Elements Methods</b>				<b>Nonlinear Dynamics</b>									
8	Finite Element Methods VL 2				Nonlinear Dynamics VL 4									
9	Finite Element Methods HÜ 2													
10														
11														
12														
13	<b>Control Systems Theory and Design</b>				<b>Embedded Systems</b>				<b>Nonlinear Structural Analysis</b>					
14	Control Systems Theory and Design VL 2				Embedded Systems VL 3				Nonlinear Structural Analysis VL 3					
15	Control Systems Theory and Design GÜ 2				Embedded Systems GÜ 1				Nonlinear Structural Analysis GÜ 1					
16														
17														
18														
19	<b>Vibration Theory (GES)</b>								<b>Microsystem Engineering</b>					
20	Vibration Theory VL 2								Microsystem Engineering VL 2					
21	Vibration Theory HÜ 1								Microsystem Engineering GÜ 1					
22									Microsystem Engineering PBL 1					
23														
24														
25	<b>Design and Implementation of Software Systems</b>													
26	Design and Implementation of Software Systems VL 2													
27	Design and Implementation of Software Systems PR 2													
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.

