

# Course of Study Mechatronics (Study Cohort w17)

Sample course plan A Master Mechatronics (IMPMEC)

Specialisation Intelligent Systems and Robotics

Specialisation Intelligent Systems and Robotics				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			Electro- and Contromechanics				3D Computer Vision							
3	Robotics: Modelling and Control			Mechatronics Laboratory				3D Computer Vision							
4				Electro- and Contromechanics											
5															
6															
7	<b>Finite Elements Methods</b>			<b>Nonlinear Dynamics</b>											
8	Finite Element Methods			Nonlinear Dynamics											
9	Finite Element Methods														
10															
11															
12															
13	<b>Control Systems Theory and Design</b>			<b>Embedded Systems</b>				<b>3D Computer Vision</b>							
14	Control Systems Theory and Design			Embedded Systems				3D Computer Vision							
15	Control Systems Theory and Design			Embedded Systems				3D Computer Vision							
16															
17															
18															
19	<b>Vibration Theory (GES)</b>			<b>Optimal and Robust Control</b>				<b>Industrial Process Automation</b>							
20	Vibration Theory			Optimal and Robust Control				Industrial Process Automation							
21	Vibration Theory			Optimal and Robust Control				Industrial Process Automation							
22															
23															
24															
25	<b>Design and Implementation of Software Systems</b>														
26	Design and Implementation of Software Systems														
27	Design and Implementation of Software Systems														
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.

