

<b>Title of Course</b>	<b>Designing Mechatronic Systems</b>		
<b>Term</b>	<b>Autumn</b>		
<b>Teaching Hours per Course:</b>	<b>Total</b>	<b>- Lectures:</b>	<b>- Projects</b>
	15	15	
<b>ECTS Credits</b>	1		
<b>The content of education</b>			
<b>Aims of Course</b>	The aim of the course is that the students acquire knowledge and skills connected with some basic issues of the designing mechatronic systems for the purpose of the automation of machines, devices and technical objects.		
<b>Program</b>	Lectures Mechanical systems and steering schemes. Systems and schemes of pneumatic and hydraulic steering. Electric systems. Programmable controllers. Sensor system. Manipulation machines. Regulation techniques. Designing of mechatronic devices. Installation and start-up of mechatronic systems. Operation of mechatronic systems and devices.		
<b>Conditions of completion</b>	The condition for passing the class is passing the test.		
<b>Teacher</b>	Jerzy Dobrosielski		