

Polytechnic Faculty – summer semester

Name of subject	Field of study	Form of classes	ECTS points	Short summary
Copyright Law	Electrical Engineering	Lecture	1	<ol style="list-style-type: none"> 1. Intellectual property law. 2. Patent protection. 3. The use of intellectual property rights. 4. Patent Application.
Renewable Energy Sources and Distributed Generation	Electrical Engineering	Laboratory classes Project classes	1,2 0,8	Renewable energy sources. Solar energy: solar heat, photovoltaics. The energy of water. Wind energy. Geothermal. Fuel cells. Renewable energy sources - practical application. Project of installation powered from renewable energy sources.
PLC Driver Programming	Automation and Robotics	Lecture Laboratory classes	2 3	This course covers programming of PLC systems with respect to IEC61131 standard and real PLC systems: SIEMENS SIMATIC S7 300/1500 available in the laboratory. The practice covers 10 exercises from programming of PLC SIEMENS SIMATIC S7 300/1500.
Programming of Manipulation and Mobile Robots	Automation and Robotics	Lecture Laboratory classes	2 3	This module covers learning of construction and programming of two popular robot types.