Title of Course		Bases of Electrotechnics and Electronics- lecture			
Semester		Spring			
Teaching		Total	- Lectures:	- Tutorials:	
Hours per Course:		45	45	0	
ECTS Credits		2			
The content of education					
Aims of	The aim of teaching the subject is to obtain by students basic knowledge of				
Course	simp	simple electric circuits of direct and alternating current, operating			
	characteristics of electric devices and drives and their control. Students				
	learn the basics of the operation of typical sensors and actuators				
D	T				
Program	Lectures Regio concents electric circuit Ohmela lavy Virghhaffa lavya				
	Basic concepts, electric circuit, Ohm's law, Kirchhoff's laws.				
	AC and DC circuits.				
	Power and energy in single-phase circuits.				
	Basic semiconductor elements.				
		Structure and functioning of bipolar and field transistors.			
	Rectifier and power supply systems.				
	Power and energy in three-phase circuits.				
	Elec	Electric machines of direct current and alternating current.			
	Elec	Electric drive control systems.			
Conditions of	The condition for passing the lectures is to obtain a positive grade from two				
completion	written tests on issues discussed during lectures.				
75.	Marines Courter				
Teacher	Mariusz Szreder				