

STUDY MODULE DESCRIPTION FORM		
Name of the module/subject Selected problems of application of prgrammable controllers		Code 1010335211010335117
Field of study Automatic Control and Robotics	Profile of study (general academic, practical) general academic	Year /Semester 1 / 1
Elective path/specialty -	Subject offered in: Polish	Course (compulsory, elective) obligatory
Cycle of study: Second-cycle studies	Form of study (full-time,part-time) part-time	
No. of hours Lecture: 15 Classes: - Laboratory: 15 Project/seminars: 10		No. of credits 5
Status of the course in the study program (Basic, major, other) other		(university-wide, from another field) university-wide
Education areas and fields of science and art technical sciences		ECTS distribution (number and %) 100 5%
Responsible for subject / lecturer: dr hab. inż. Stefan Brock, prof. nadzw. email: Stefan.Brock@put.poznan.pl tel. 48 61 665 2627 Faculty of Electrical Engineering ul. Piotrowo 3A 60-965 Poznań		
Prerequisites in terms of knowledge, skills and social competencies:		
1	Knowledge	1
2	Skills	1
3	Social competencies	1
Assumptions and objectives of the course: 1		
Study outcomes and reference to the educational results for a field of study		
Knowledge:		
1. 1 - []		
Skills:		
1. 1 - []		
Social competencies:		
1. 1 - []		
Assessment methods of study outcomes		
1		
Course description		
1		
Basic bibliography:		
1. 1		

Additional bibliography: 1. 1		
Result of average student's workload		
Activity	Time (working hours)	
1. 1	0	
Student's workload		
Source of workload	hours	ECTS
Total workload	100	5
Contact hours	40	2
Practical activities	50	3