



## Subject card

Subject name and code	Electronic Systems Programming, PG_00048678						
Field of study	Electronics and Telecommunications						
Date of commencement of studies	February 2023	Academic year of realisation of subject			2023/2024		
Education level	second-cycle studies	Subject group			Optional subject group Subject group related to scientific research in the field of study		
Mode of study	Full-time studies	Mode of delivery			at the university		
Year of study	1	Language of instruction			Polish		
Semester of study	2	ECTS credits			1.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Department of Metrology and Optoelectronics -> Faculty of Electronics, Telecommunications and Informatics						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Arkadiusz Szewczyk				
	Teachers		dr inż. Arkadiusz Szewczyk				
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	15.0	0.0	15
	E-learning hours included: 0.0						
Learning activity and number of study hours	Learning activity	Participation in didactic classes included in study plan		Participation in consultation hours		Self-study	SUM
	Number of study hours	15		2.0		8.0	25
Subject objectives	Practicing of skills of realization electronic systems comprising of electronic circuit and controlling software with appropriate interface.						
Learning outcomes	Course outcome		Subject outcome			Method of verification	
	[K7_U03] can design, according to required specifications, and make a complex device, facility, system or carry out a process, specific to the field of study, using suitable methods, techniques, tools and materials, following engineering standards and norms, applying technologies specific to the field of study and experience gained in the professional engineering environment		is able to design, in accordance with the given specification, and build a computer controlled device or system using appropriately selected methods, techniques, tools and materials			[SU1] Assessment of task fulfilment	
Subject contents	1. Introduction to the subject 2. Presentation of projects 3. Project design and testing						
Prerequisites and co-requisites	Base knowledge of electronic metrology						
Assessment methods and criteria	Subject passing criteria		Passing threshold			Percentage of the final grade	
	Project report		50.0%			100.0%	
Recommended reading	Basic literature		Wiesław Tłaczała, "Środowisko LabVIEW w eksperymencie wspomaganym projektowo", WNT 2002				
			Marcin Chruściel, "LabVIEW w praktyce", BTC 2008				
	Supplementary literature		No requirements				
	eResources addresses		Adresy na platformie eNauczanie: Oprogramowanie systemów elektronicznych - projekt 2023/24 - Moodle ID: 30675 <a href="https://enauczanie.pg.edu.pl/moodle/course/view.php?id=30675">https://enauczanie.pg.edu.pl/moodle/course/view.php?id=30675</a>				

Example issues/ example questions/ tasks being completed	
Work placement	Not applicable