GDAŃSK UNIVERSITY OF TECHNOLOGY

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. Itroduction 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 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=30675

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