GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Team Project, PG_00033399		
Field of study	Automation, Robotics and Control Systems		
Date of commencement of studies	February 2024	Academic year of realisation of subject	2024/2025
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	4.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Department of Control Engineering -> Faculty of Electrical and Control Engineering		
Name and surname of lecturer (lecturers)	Subject supervisor	prof. dr hab. inż. Roman Śmierzchalski	
	Teachers	prof. dr hab. inż. Roman Śmierzchalski	

Lesson types and methods of instruction

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	0.0	0.0	0.0	60.0	0.0	60

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	60	15.0	25.0	100

Subject objectives

Student develops a project in the field of automation and robotics. Uses the software and hardware necessary to complete the project, catalogs for equipment selection. It combines knowledge from different areas. Accept work in the group.

Learning outcomes

Course outcome	Subject outcome	Method of verification
K7_U02	The student, working alone or in a teamwork, designs control systems, using dedicated techniques, estimates the scope and time needed to complete the project.	[SU1] Assessment of task fulfilment
K7_U13	The student knows and understands the principles of teamwork, raising professional, personal and social competences, is aware of the responsibility for his or her own work and in a team, has the ability to present the results of task implementation.	[SU5] Assessment of ability to present the results of task
K7_W14	The student analyses, models and describes the operation of real control objects and designs and implements advanced control algorithms in industrial systems.	[SW2] Assessment of knowledge contained in presentation

Subject contents

Solving the problem of automation and / or robotics. Depending on your task is to develop control algorithms, design and implementation of the selected system automation and robotics, construction and solving technical issues with automation and robotics, control systems design and controls, including alarm systems and security.

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
project evaluation	60.0%	100.0%

Recommended reading

Basic literature	Literature given by lecturer design, adapted to the subject matter.
Supplementary literature	Literature given by lecturer design
eResources addresses	Adresy na platformie eNauczanie:

Example issues/ example questions/ tasks being completed	The current implementation of the project and the implementation phase. The final presentation of the project.
Work placement	Not applicable