GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Team Project II, PG_00068330						
Field of study	Automatic Control, Cybernetics and Robotics						
Date of commencement of studies	October 2025		Academic year of realisation of subject	2027/2028			
Education level	first-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	3		Language of instruction	Polish			
Semester of study	6		ECTS credits	3.0			
Learning profile	general academic profile		Assessment form	assessment			
Conducting unit	Department of Computer Communications -> Faculty of Electronics Telecommunications and Informatics -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Sławomir Gajewski					
	Teachers	dr inż. Sławomir Gajewski					
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	30.0	0.0	30
	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	30		4.0	41.0		75
Subject objectives	Group project is a class, which goal is to prepare students for a future work in a team of several people and to learn them to fulfil scheduled obligations in a timely manner. Project teams consisting typically of 3-5 students realize subjects chosen from submitted proposals. A product and a proper technical documentation are the effects of a year-long work on a chosen problem. The project proposals can be submitted by Department partners and a work progress is controlled by supervisors assigned by a faculty coordinator.						

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_U11] can plan and organise individual and team work	the student understands the role of management in the project, knows and applies the chosen method of managing work in a group, supervising the production of project documentation	[SU1] Assessment of task fulfilment
[K6_K01] is ready to cultivate and disseminate models of proper behaviour in and outside the work environment; make independent decisions; critically evaluate actions of their own, teams they lead and organisations they are part of; take responsibility for results of these actions; responsibly perform professional roles, including:n - observing rules of professional ethics and require it from others,n - care for the achievements and traditions of the professionn	the student has the knowledge to develop patterns of proper conduct in the work and life environment, critically evaluate the groups in which he participates and lead the group and the appropriate division of roles and tasks among group members	[SK5] Assessment of ability to solve problems that arise in practice
[K6_U03] can design, according to required specifications, and make a simple 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	The student is able to design, in accordance with the given specification, and perform a complex device, object, ICT system or implement the ICT process, using appropriately selected methods, techniques, tools and materials, using engineering standards and norms, using ICT technologies and using experience gained in the environment professionally engaged in engineering activities	[SU5] Assessment of ability to present the results of task [SU4] Assessment of ability to use methods and tools [SU3] Assessment of ability to use knowledge gained from the subject [SU2] Assessment of ability to analyse information [SU1] Assessment of task fulfilment
[K6_U08] while identifying and formulating specifications of engineering tasks related to the field of study and solving these tasks, can:n- apply analytical, simulation and experimental methods,n- notice their systemic and non-technical aspects,n- make a preliminary economic assessment of suggested solutions and engineering work n	The student is able to use both analytical, simulation and experimental methods to carry out an engineering task. The student is able to make a preliminary economic analysis.	[SU4] Assessment of ability to use methods and tools [SU3] Assessment of ability to use knowledge gained from the subject

Subject contents

Course content – project
The choice of group
Implementation of the project group
Presentation of the completed project

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
project	50.0%	100.0%

Recommended reading

Basic literature	materials related to the implemented project
Supplementary literature	Books on management
eResources addresses	

Example issues/ example questions/ tasks being completed

Implementation of OpenFlow controller extensions for control of network with channel switching
System for analyzing character movements supporting the rehabilitation process
Shining 3D LED cube - disco lighting
Intelligent scheduleGPS signal repeater
Remote parameter measurement system for a super-yacht class vessel.
Mobile support system for Special Rescue GroupsSystem supporting the rehabilitation of children with movement disorders using the EMG signal to control the game
Mobile robot for the critical infrastructure inspection

Practical activites within the subject

Not applicable