GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Team project II, PG_00059842		
Field of study	Technical Physics		
Date of commencement of studies	February 2024	Academic year of realisation of subject	2024/2025
Education level	second-cycle studies	Subject group	Obligatory subject group in the field of study 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	3.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Instytut Fizyki i Informatyki Stosowanej -> Faculty of Applied Physics and Mathematics		
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Marcin Dampc	
	Teachers	dr inż. Marcin Dampc	

Lesson types and methods of instruction

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	15.0	30.0	75

Subject objectives

The aim of the course is learning teamwork on the physics project.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K7_U09] Can popularize the achievements in physics and related fields of science.	Able to present results and discuss physics phonomena associated with the project.	[SU1] Assessment of task fulfilment
[K7_K03] Can cooperate and work in a group, performing different functions. Can make self-assessment, as well as constructively assess the effects of other persons' work.	Able to plan and spread out the executed tasks in the project	[SK1] Assessment of group work skills
[K7_K04] Can systematically work on long-term projects.	Able to plan and spread out the executed tasks in the project	[SK2] Assessment of progress of work
[K7_U06] Can apply obtained knowledge of physics to exact sciences, natural and technical sciences.	Able to apply learned earlier theoretical knowledge to solve tasks set in the project	[SU3] Assessment of ability to use knowledge gained from the subject [SU1] Assessment of task fulfilment
[K7_W10] Knows general rules of starting and developing individual business initiatives, using knowledge of exact sciences.	Able to point out project results that can be valuable for industry and further developed.	[SW1] Assessment of factual knowledge

Subject contents

Define the principles of teamwork.
Description of activities preceding the execution of the project.
Discussion of the list of proposed topics
Selecting the teams (2-4 students), a leader in the team and the subject of the project.
Presentation of the project concept.
Acceptance of the project cost estimate.
Project schedule, the division of tasks and provide a framework for individual team collaboration.
The evaluation of the progress of the project during its implementation and consultation on partial results.
Presentation of the final results of the project.

Prerequisites and co-requisites

Depends on the type of project

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Partial execution of tasks	50.0%	20.0%
	Originality of solutions	50.0%	20.0%
	Division of work between the team members	50.0%	20.0%
	Presentation of the project results	50.0%	20.0%
	Team work	50.0%	20.0%
Recommended reading	Basic literature	Depends on the type of project	
	Supplementary literature	Depends on the type of project	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed	1. Design, engineering and testing of the detector and data aquisition system for high resolution optical monochromator. 2. Current-voltage characteristics and emission spectra of light-emitting diodes 3. Photophysical properties of electron donor : electron acceptor systems applied in organic light emitting diodes.		
Work placement	Not applicable		