GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	, PG_00062956		
Field of study	Mechanical Engineering		
Date of commencement of studies	February 2026	Academic year of realisation of subject	2025/2026
Education level	second-cycle studies	Subject group	
Mode of study	Part-time studies	Mode of delivery	at the university
Year of study	1	Language of instruction	Polish
Semester of study	1	ECTS credits	3.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Division of Manufacturing and Production Engineering -> Institute of Manufacturing and Materials Technology -> Faculty of Mechanical Engineering and Ship Technology -> Wydziały Politechniki Gdańskiej		
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Roman Liberacki	
	Teachers		

Lesson types and methods of instruction

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	0.0	0.0	0.0	18.0	0.0	18

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	18	0.0	0.0	18

Subject objectives

Implementation of a team research project

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K7_U101] is able to formulate complex research problems and adopts appropriate methods, obtaining innovative solutions, cooperating with other people, both as a leader and a team member	Teamwork in selecting appropriate technologies and methods to produce the designed device	[SU1] Assessment of task fulfilment
[K7_K101] acknowledges the importance of knowledge related to the field of study in solving cognitive and practical problems, critically assessing the information obtained	Critical analysis of proposed design solutions	[SK2] Assessment of progress of work
[K7_W101] is able to make an in-depth identification of key objects and phenomena related to the field of study, as well as theories that describe them and applicable analytical and design methods	Ability to design complex devices using analytical methods	[SW3] Assessment of knowledge contained in written work and projects

Subject contents

According to project requirements specified by the project supervisor

Prerequisites and co-requisites

Knowledge of issues related to the basics of machine construction, technical drawing, and manufacturing techniques

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Attendance at classes	50.0%	20.0%
Written report	100.0%	30.0%
Poster (PL+EN)	100.0%	25.0%
Project Schedule	100.0%	25.0%

Recommended reading

Basic literature	According to the project supervisor's recommendations
Supplementary literature	According to the project supervisor's recommendations
eResources addresses	

Example issues/ example questions/ tasks being completed	According to requirements and design assumptions
Work placement	Not applicable

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