



Subject card

Subject name and code	, PG_00064611						
Field of study	Mechanical and Medical Engineering, Mechatronics, Mechanical Engineering, Transport and Logistics, Power Engineering, Management and Production Engineering, Nuclear Engineering						
Date of commencement of studies	February 2026		Academic year of realisation of subject		2026/2027		
Education level	second-cycle studies		Subject group				
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	Institute of Naval Architecture -> Faculty of Mechanical Engineering and Ship Technology -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Roman Liberacki				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	40.0	0.0	40
	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	40		0.0		0.0	40
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 or system.		[SU1] Assessment of task fulfilment		
	[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		Student has the knowledge to carry out projects involving complex devices and systems using analytical methods.		[SW3] Assessment of knowledge contained in written work and projects		
	[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		
Subject contents	Course content – project 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.						
	Completed part I of the project.						

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Poster (PL+EN)	100.0%	20.0%
	Project presentation	100.0%	20.0%
	Written report	100.0%	20.0%
	Submitting a scientific article	0.0%	10.0%
	Attendance at classes	50.0%	10.0%
	Project Schedule part II	100.0%	20.0%
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		
In order to obtain a grade of:			
- satisfactory - students must complete the following: schedule, poster, report;			
- higher than satisfactory - students must also prepare and perform a presentation;			
- higher than good - students must attend more than 50% of classes;			
- very good - students must also submit a scientific article for publication.			
Practical activities within the subject	Not applicable		

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