



Subject card

Subject name and code	, PG_00062965						
Field of study	Power Engineering, Mechanical and Medical Engineering, Mechatronics, Mechanical Engineering, Transport and Logistics, Power Engineering, Management and Production Engineering, Power Engineering, Nuclear 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	Full-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 -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Roman Liberacki				
	Teachers		dr inż. Roman Liberacki				
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						
	eNauczanie source addresses: Moodle ID: 4866 Zespołowy projekt badawczy I, PG_00062965, WIMiO PL, sem.1. letni 2025/2026 https://enauzanie.pg.edu.pl/2025/course/view.php?id=4866 Moodle ID: 4866 Zespołowy projekt badawczy I, PG_00062965, WIMiO PL, sem.1. letni 2025/2026 https://enauzanie.pg.edu.pl/2025/course/view.php?id=4866						
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		[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	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						

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		
Practical activities within the subject	Not applicable		

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