



Subject card

Subject name and code	, PG_00062965						
Field of study	Mechanical and Medical Engineering, Mechatronics, Mechanical Engineering, Management and Production 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 -> Wydział 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	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_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		
	[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_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		
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		
	Project Schedule		100.0%		25.0%		
	Poster (PL+EN)		100.0%		25.0%		
	Written report		100.0%		30.0%		
	Attendance at classes		50.0%		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
Work placement	Not applicable

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