



Subject card

Subject name and code	Master's thesis, PG_00064871						
Field of study	Mechanical Engineering						
Date of commencement of studies	February 2026		Academic year of realisation of subject		2026/2027		
Education level	second-cycle studies		Subject group		Optional subject group 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	2		Language of instruction		Polish		
Semester of study	3		ECTS credits		20.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Institute of Mechanics and Machine Design -> Faculty of Mechanical Engineering and Ship Technology -> Wydziały Politechniki Gdańskiej						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. inż. Michał Wodtke				
	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	0.0	0.0	0
	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	0		30.0		470.0	500
Subject objectives	Preparation of a master's thesis by the student with the topic and scope defined by the supervisor.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K7_K13] is ready for responsible performance of professional roles, considering ever-changing need of the society, including self development and supporting and fulfilling work ethics		The student prepares a thesis. The student can consider non-technical aspects during the implementation of the task resulting from the thesis topic.		[SK3] Assessment of ability to organize work [SK4] Assessment of communication skills, including language correctness		
	[K7_U14] integrates information obtained from literature and other properly selected sources, including those in a foreign language, creatively interpreting and critically evaluating them, and drawing conclusions		The student prepares a critical review of literature and solutions related to the topic of the work using publications in Polish or foreign language. Develops an oral presentation of his/her work.		[SU2] Assessment of ability to analyse information [SU5] Assessment of ability to present the results of task		
	[K7_U02] formulates and solves technical problems specific to Mechanics and Mechanical Engineering using appropriate tools including CAD and MES systems, and prepares technical documentation		The student is able to document the proposed solution to the problem in the form of documentation appropriate to the field of study and the specifics of the problem analysed. Performs, using appropriate tools, the necessary models, calculations, research, analysis and comparisons.		[SU1] Assessment of task fulfilment [SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to use methods and tools		
Subject contents	Principles and requirements for the Master's thesis. Implementation of the thesis under the supervisor's supervision according to the defined scope and topic. Editorial preparation of the thesis content for publication. Consultation of the project with the supervisor and, if necessary, other experts. Preparation of a multimedia presentation.						
Prerequisites and co-requisites	Registration for the diploma semester.						
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	Evaluation of the thesis		56.0%		100.0%		
Recommended reading	Basic literature		Literature in line with the subject of the work.				

	Supplementary literature	Literature in line with the subject of the work.
	eResources addresses	
Example issues/ example questions/ tasks being completed	The Faculty website provides current lists of questions for the diploma examination, specific to the specialisation.	
Work placement	Not applicable	

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