



Subject card

Subject name and code	Master's thesis, PG_00064805						
Field of study	Mechatronics						
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		
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	Division of Mechatronics -> 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. Marek Galewski				
	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, by the student, of the Master thesis on the subject and scope defined by the thesis supervisor.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K7_W11] interprets social, economic, legal (including industrial and intellectual property laws), and other non-technical aspects of engineering activities, and includes them into engineering practice		During preparing the diploma thesis, the student also considers non-technical aspects of the solved task / created project.		[SW3] Assessment of knowledge contained in written work and projects		
	[K7_U13] evaluates the feasibility and potential for utilizing new technical and technological achievements in accomplishing tasks characteristic for the field of study		The student makes critical review of existing solutions, techniques and technologies related to the thesis topic, and uses appropriate techniques and tools to accomplish the task defined for his thesis.		[SU4] Assessment of ability to use methods and tools [SU1] Assessment of task fulfilment		
	[K7_U11] communicates and justifies opinions on specialized topics in a manner understandable to diverse audiences, including the use of modern techniques, including information technology		The student prepares components of the thesis (e.g., calculations, drawings, computer programs), presents and describes them in the text of the thesis, and prepares a multimedia presentation for the diploma exam		[SU5] Assessment of ability to present the results of task		
	[K7_W01] explains and describes, based on general knowledge in the field of scientific disciplines forming the theoretical foundations of Mechatronics, the construction and principles of operation of mechatronic systems, processes and their components, as well as methods and means of their integration		The student prepares a diploma thesis. Applies appropriate techniques and tools to create necessary models, perform calculations, conduct research, analyses, comparisons, and designs, and describe them in the thesis.		[SW3] Assessment of knowledge contained in written work and projects		
Subject contents	Rules and requirements for the master's thesis. Completion of the thesis under the supervision of the thesis supervisor in accordance with the defined scope and topic. Editorial preparation of the thesis content for publication. Project consultations 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
	Thesis review	56.0%	100.0%
Recommended reading	Basic literature	Literature relevant to the thesis topic according to the supervisor's indications and the diplomat's own review of sources.	
	Supplementary literature	Literature related to the thesis topic according to the supervisor's indications and the student's own review of sources.	
	eResources addresses		
Example issues/ example questions/ tasks being completed	Current lists of questions for the diploma exam, specific to the given specialisation, are available on the Faculty's website.		
Work placement	Not applicable		

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