



## Subject card

Subject name and code	Diploma thesis 1, PG_00045314						
Field of study	Data Engineering						
Date of commencement of studies	October 2023	Academic year of realisation of subject			2025/2026		
Education level	first-cycle studies	Subject group			Obligatory subject group in the field of study 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	3	Language of instruction			Polish		
Semester of study	6	ECTS credits			4.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Department of Informatics In Management -> Faculty of Management and Economics -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Igor Garnik				
	Teachers		dr inż. Igor Garnik				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	15.0	0.0	15
	E-learning hours included: 0.0						
	eNauczanie source addresses: Moodle ID: 3027 Diploma thesis 1 - 2025-2026 <a href="https://enauzanie.pg.edu.pl/2025/course/view.php?id=3027">https://enauzanie.pg.edu.pl/2025/course/view.php?id=3027</a>						
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	15		10.0		75.0	100
Subject objectives	Preparing the student to write a substantive engineering thesis(searching for literature, problem formulation, data collection, selection of solution methods, interpretation of results)and formal (preparation of the text of the work in accordance with the applicable rules).						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[K6_K03] Knows how to cooperate or work in a project team and take managerial or executive functions.	The student is able to work in a project team and assume managerial or executive functions.	[SK1] Assessment of group work skills [SK3] Assessment of ability to organize work
	[K6_W15] Knows the concepts and principles regarding the protection of industrial property and copyright	The student recognizes and recalls relevant provisions regarding copyright protection.	[SW1] Assessment of factual knowledge
	[K6_U13] Is able to prepare, independently and in a team, studies and analyses appropriate for the field of data engineering.	The student presents the concept of solving the research problem using quantitative and qualitative methods.	[SU1] Assessment of task fulfilment [SU2] Assessment of ability to analyse information [SU4] Assessment of ability to use methods and tools
	[K6_K01] is aware of quickly changing trends and the resulting need for further education and self-improvement in the area of the performed profession of an engineer with IT and economic-financial skills.	The student understands the need for continuous learning, improving professional, personal and social competences.	[SK5] Assessment of ability to solve problems that arise in practice
	[K6_U02] designs, analyses correctness and creates functional specification of IT systems, selects appropriate measures, creates quality models, prepares and assesses their design documentation.	The student creates the specification of the IT system along with the project documentation.	[SU1] Assessment of task fulfilment [SU2] Assessment of ability to analyse information [SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to use methods and tools
Subject contents	<p>Course content – project Formal aspects of preparing a thesis.</p> <p>Formulation of the research problem.</p> <p>Search and analysis of the literature on the subject.</p> <p>Collecting data from various sources: surveys, observations, statistical data, documentation.</p> <p>Selection of the method of solving the problem.</p> <p>Solving the problem and interpreting the results.</p> <p>Conclusions confirming the solution of the problem.</p>		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	scope of the thesis, one chapter of the thesis	60.0%	100.0%
Recommended reading	Basic literature	Bibliography appropriate to the specific nature of the thesis	
	Supplementary literature	none	
	eResources addresses		
Example issues/ example questions/ tasks being completed			
Practical activities within the subject	Not applicable		

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