



Subject card

Subject name and code	Diploma thesis 2, PG_00045315						
Field of study	Data Engineering						
Date of commencement of studies	October 2023	Academic year of realisation of subject				2026/2027	
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	4	Language of instruction				Polish	
Semester of study	7	ECTS credits				10.0	
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						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	45.0	0.0	45
	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	45		20.0		185.0	250
Subject objectives	Preparing students to write engineering thesis in the substantive scope (search literature, formulate the problem, data collection, selection methods of solution, interpretation of results) and formal scope (text preparation work in accordance with the applicable rules).						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[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_K03] Knows how to cooperate or work in a project team and take managerial or executive functions.	In the case of group work, the student collaborates with other team members. Is able to divide the work in the team fairly.			[SK3] Assessment of ability to organize work [SK1] Assessment of group work skills		
	[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 has a desire for continuous self-improvement.			[SK3] Assessment of ability to organize work [SK4] Assessment of communication skills, including language correctness [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 The formal aspects of preparing a thesis.</p> <p>The formulation of the research problem.</p> <p>Finding and analyzing literature.</p> <p>Collection of data from different sources: surveys, observations, statistics, documentation.</p> <p>The choice of methods to solve the problem.</p> <p>Solving the problem and interpretation of results.</p> <p>Confirmation of solutions.</p>								
Prerequisites and co-requisites	registration for the diploma semester								
Assessment methods and criteria	<table border="1" data-bbox="448 808 1477 873"> <thead> <tr> <th data-bbox="448 808 794 840">Subject passing criteria</th> <th data-bbox="794 808 1141 840">Passing threshold</th> <th data-bbox="1141 808 1477 840">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="448 840 794 873">diploma thesis</td> <td data-bbox="794 840 1141 873">60.0%</td> <td data-bbox="1141 840 1477 873">100.0%</td> </tr> </tbody> </table>			Subject passing criteria	Passing threshold	Percentage of the final grade	diploma thesis	60.0%	100.0%
Subject passing criteria	Passing threshold	Percentage of the final grade							
diploma thesis	60.0%	100.0%							
Recommended reading	Basic literature	reading list appropriate for the specificity of the thesis							
	Supplementary literature	none							
	eResources addresses								
Example issues/ example questions/ tasks being completed	<p>The formal aspects of preparing a thesis.</p> <p>The formulation of the research problem.</p> <p>Finding and analyzing literature.</p> <p>Collection of data from different sources: surveys, observations, statistics, documentation.</p> <p>The choice of methods to solve the problem.</p> <p>Solving the problem and interpretation of results.</p> <p>Confirmation of solutions.</p> <p>Writing the diploma thesis.</p> <p>Preparation of a presentation for defense.</p>								
Practical activities within the subject	Not applicable								

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