



Subject card

Subject name and code	Diploma thesis 1, PG_00045314						
Field of study	Data Engineering, Data Engineering						
Date of commencement of studies	October 2026	Academic year of realisation of subject				2028/2029	
Education level	first-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	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						
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] demonstrates the ability to think critically and analytically and integrates knowledge from many disciplines in order to make effective decisions	uses analytical thinking skills to complete diploma project			[SK5] Assessment of ability to solve problems that arise in practice [SK4] Assessment of communication skills, including language correctness [SK3] Assessment of ability to organize work [SK2] Assessment of progress of work		
	[K6_U06] acquires new knowledge, planning its own development in aiming at achieving defined goals	acquires the knowledge needed to achieve the goals of the written diploma thesis			[SU4] Assessment of ability to use methods and tools [SU3] Assessment of ability to use knowledge gained from the subject [SU2] Assessment of ability to analyse information		
	[K6_W04] demonstrates creative and entrepreneurial activity in formulating and implementing innovative ideas	creatively formulates and implements the goals of the diploma thesis being created			[SW3] Assessment of knowledge contained in written work and projects [SW1] Assessment of factual knowledge		

Subject contents	<p>Course content – project</p> <p>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	<table border="1"> <thead> <tr> <th data-bbox="456 887 798 920">Subject passing criteria</th> <th data-bbox="802 887 1142 920">Passing threshold</th> <th data-bbox="1147 887 1485 920">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="456 927 798 981">scope of the thesis, one chapter of the thesis</td> <td data-bbox="802 927 1142 981">60.0%</td> <td data-bbox="1147 927 1485 981">100.0%</td> </tr> </tbody> </table>	Subject passing criteria	Passing threshold	Percentage of the final grade	scope of the thesis, one chapter of the thesis	60.0%	100.0%		
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scope of the thesis, one chapter of the thesis	60.0%	100.0%							
Recommended reading	<p>Basic literature</p> <p>Supplementary literature</p> <p>eResources addresses</p>	<p>Bibliography appropriate for the specificity of the diploma thesis</p> <p>none</p>							
Example issues/ example questions/ tasks being completed	<p>defining the purpose of the thesis</p> <p>selecting research methods and tools</p>								
Practical activities within the subject	Not applicable								

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