



Subject card

Subject name and code	Diploma seminar, PG_00045368						
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		2.0		
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	30.0	0.0	30
	E-learning hours included: 0.0						
	eNauczanie source address: https://enauczanie.pg.edu.pl/moodle/course/view.php?id=47169						
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	30		0.0		20.0	50
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_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 correctly designs the functional specification of IT systems, and also analyzes the correctness of the existing ones. During this process, he selects research methods and tools appropriately. Creates project documentation.	[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_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.	[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
	[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.	[SK1] Assessment of group work skills [SK3] Assessment of ability to organize work
	[K6_U13] Is able to prepare, independently and in a team, studies and analyses appropriate for the field of data engineering.	The student independently or in a team carries out the appropriate analyzes and creates studies based on them.	[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
	[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
Subject contents	Course content – project The formal aspects of preparing a thesis. The formulation of the research problem. Finding and analyzing literature. Collection of data from different sources: surveys, observations, statistics, documentation. The choice of methods to solve the problem. Solving the problem and interpretation of results. Confirmation of solutions.		
Prerequisites and co-requisites	registration for the diploma semester		
Assessment methods and criteria	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	The formal aspects of preparing a thesis. The formulation of the research problem. Finding and analyzing literature. Collection of data from different sources: surveys, observations, statistics, documentation. The choice of methods to solve the problem. Solving the problem and interpretation of results. Confirmation of solutions. Writing the diploma thesis. Preparation of a presentation for defense.
Practical activities within the subject	Not applicable

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