GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Diploma thesis 2, PG_00045315		
Field of study	Data Engineering		
Date of commencement of studies	October 2020	Academic year of realisation of subject	2023/2024
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	English
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		
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Anna Trzaskowska	
	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	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 basic 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_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
[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_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

Subject contents	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	Adresy na platformie eNauczanie: Seminarium dyplomowe / Projekt dyplomowy inżynierski / Diploma thesis 2 - Inżynieria Danych / Data Engineering - sem. 7 - 2023/2024 - Moodle ID: 21955 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=21955

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 thesisPreparation of a presentation for defense.

Work placement	Not applicable