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 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	English none			
Semester of study	7		ECTS credits	10.0			
Learning profile	general academic profile		Assessment form	assessment			
Conducting unit	Department of Software Engineering -> Faculty of Electronics, Telecommunications and Informatics						
Name and surname of lecturer (lecturers)	Subject supervisor		prof. dr hab. inż. Krzysztof Goczyła				
	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	Guiding the student through the process of implementing the diploma project, systematically monitoring the progress of their work in the implementation of the project, providing them with consultations, advice andtips. Checking the practical effects of the project work.						

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_U13] Is able to prepare, independently and in a team, studies and analyses appropriate for the field of data engineering.	The student is able to perform analyses and to document tchem, while working on assigned tasks in a team.	[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_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 is able to design an IT system by creating a system specification, selecting appropriate conceptual and implementation measures, and creating appropriate analytical and design documentation.	[SU3] Assessment of ability to use knowledge gained from the subject [SU1] Assessment of task fulfilment
[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 team on data engineering (data science) projects	[SK3] Assessment of ability to organize work
[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 is able to independently select the appropriate technologies to solve a given problem, in accordance with the latest trends in IT and the economic and financial area.	[SK5] Assessment of ability to solve problems that arise in practice
[K6_W15] Knows the concepts and principles regarding the protection of industrial property and copyright	The student is aware of the basic principles of industrial property protection and copyright protection	[SW2] Assessment of knowledge contained in presentation

Subject contents

1. Development of project documentation

2. Product implementation with its verification and validation

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
project documentation	50.0%	50.0%
product	50.0%	50.0%

Recommended reading

Basic literature	Regulations of awarding diploma at WETI PG (https://eti.pg.edu.pl/studenci/dziekanat)
Supplementary literature	none
eResources addresses	Podstawowe https://eNauczanie.pg.edu.pl - Appropriate Engineering Diploma Seminar Course Adresy na platformie eNauczanie:

Example issues/ example questions/ tasks being completed

1. Writing the project documentation

2. Implementation, verification and validation of the product

Work placement	Not applicable

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