GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Diploma thesis 1, PG_00045314
Field of study	Data Engineering

Date of commencement of studies	October 2023	**Academic year of realisation of subject**	2025/2026
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	3	**Language of instruction**	English
Semester of study	6	**ECTS credits**	4.0
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	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 an engineering diploma thesis in terms of content (searching for literature, formulating the problem, collecting data, selecting solution methods, interpreting results) and formal aspects (preparing the text of the thesis in accordance with applicable rules).

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[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 and take on appropriate roles	[SK1] Assessment of group work skills
	[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 create engineering project documentation in the field of data engineering	[SU1] Assessment of task fulfilment
	[K6_W15] Knows the concepts and principles regarding the protection of industrial property and copyright	The student is aware of and is able to appropriately apply copyright law and industrial property protection.	[SW1] Assessment of factual knowledge
	[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 evaluate the quality of products created within the framework of an engineering project and to select appropriate means to achieve this quality.	[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 prepares an engineering project in accordance with the principles of ethics and with attention to professional standards.	[SK5] Assessment of ability to solve problems that arise in practice

Subject contents	
	1. Familiarization with the requirements for the product to be created as part of the engineering project 2. Analysis of existing solutions and tools 3. Development of a project implementation schedule 4. Assignment of tasks among team members
Prerequisites and co-requisites	

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Implementation of tasks for this stage of project	50.0%	100.0%

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 - Appropriate course for engineering diploma seminar on eNauczanie Adresy na platformie eNauczanie:

Example issues/ example questions/ tasks being completed	
	Presenting the project supervisor with the results of the implementation of the assigned tasks

Work placement	Not applicable

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