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 2020	Academic year of realisation of subject	2022/2023
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	dr inż. Karol Flisikowski dr inż. Aleksander Jarzębowicz dr hab. inż. Piotr Szczuko dr Olgun Aydin dr inż. Tomasz Boiński dr inż. Grzegorz Gołaszewski prof. dr hab. inż. Krzysztof Goczyła mgr inż. Michał Wójcik dr inż. Jerzy Dembski dr inż. Krzysztof Bikonis dr inż. Michał Wróbel dr inż. Andrzej Chybicki dr hab. inż. Agnieszka Landowska	

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

Projekt dyplomowy inżynierski 1 - Moodle ID: 31044
https://enauczanie.pg.edu.pl/moodle/course/view.php?id=31044

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	Preparation and presentation of the engineering diploma project - part 1: assumptions, results of the analysis of the existing achievement in the scope of the project, implementation schedule, risk analysis.

<table>
<tr><td>Learning outcomes</td><td>
<table>
<tr><th>Course outcome</th><th>Subject outcome</th><th>Method of verification</th></tr>
<tr><td>[K6_K03] Knows how to cooperate or work in a project team and take managerial or executive functions.</td><td>The student is able to significantly contribution to the team work results, performing various executive and managerial functions .</td><td>[SK5] Assessment of ability to solve problems that arise in practice
[SK1] Assessment of group work skills</td></tr>
<tr><td>[K6_W15] Knows the basic concepts and principles regarding the protection of industrial property and copyright</td><td>The student can apply his knowledge in the field of copyright and protection of industrial property to the expected results of the project.</td><td>[SW1] Assessment of factual knowledge</td></tr>
<tr><td>[K6_U13] Is able to prepare, independently and in a team, studies and analyses appropriate for the field of data engineering.</td><td>The student is able to make a significant
contribution to the team work
in the project in accordance with the adopted
timetable and scope.</td><td>[SU4] Assessment of ability to use methods and tools</td></tr>
<tr><td>[K6_U02] designs, analyses correctness and creates functional specification of IT systems, selects appropriate measures, creates quality models, prepares and assesses their design documentation.</td><td>The student is able to use the theoretical and analytical knowledge obtained during the previous studies and to perform the qualitative and quantitative assessment of the results of the project..</td><td>[SU2] Assessment of ability to analyse information
[SU1] Assessment of task fulfilment</td></tr>
<tr><td>[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.</td><td>The student can formulate model and design assumptions for the implemented project and use modern methods and technologies to meet them.</td><td>[SK3] Assessment of ability to organize work
[SK2] Assessment of progress of work</td></tr>
</table>
</td></tr>
<tr><td>Subject contents</td><td>Discussion of selected theoretical and practical issues relevant to the project. Presentation of the effects of consecutive stages of the analysis of the existing state of art, including literature, in the thematic scope of the implemented project.</td></tr>
<tr><td>Prerequisites and co-requisites</td><td>none</td></tr>
<tr><td>Assessment methods and criteria</td><td>
<table>
<tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr>
<tr><td>interim report</td><td>50.0%</td><td>100.0%</td></tr>
</table>
</td></tr>
<tr><td>Recommended reading</td><td>
<table>
<tr><td>Basic literature</td><td>1) Diploma regulations at the Faculty of Electronics, Telecommunications and Informatics of the Gdańsk University of Technology2) Literature selected individually by the tutor for each diploma project.</td></tr>
<tr><td>Supplementary literature</td><td>none</td></tr>
<tr><td>eResources addresses</td><td></td></tr>
</table>
</td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td>1. State of technology and knowledge in the scope covered by the subject of the project2. Presentation of assumptions for the project (schedule, tasks of participants, ...)3. Presentation of practical results attained so far</td></tr>
<tr><td>Work placement</td><td>Not applicable</td></tr>
</table>