GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Engineering diploma project I, PG_00060775		
Field of study	Chemical Technology		
Date of commencement of studies	October 2025	Academic year of realisation of subject	2027/2028
Education level	first-cycle studies	Subject group	Optional subject group 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	Polish
Semester of study	6	ECTS credits	2.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Department of Process Engineering and Chemical Technology -> Faculty of Chemistry -> Faculties of Gdańsk University of Technology		
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. inż. Donata Konopacka-Łyskawa	
	Teachers		

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

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	2.0	18.0	50

Subject objectives

The aim of this course is to prepare students for independent completion of an engineering diploma project in the field of refining technologies. The course aims to develop skills in formulating a research problem, planning and implementing design or research work, analyzing and interpreting results, and preparing a diploma thesis in accordance with the guidelines set forth in the Rector's Order.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_U01] Is able to independently plan the learning process and acquire, analyse and interpret information from various sources, also in English.	Student is able to independently plan and implement his/her own learning and acquire, analyze and interpret information related to the subject of engineering work	[SU2] Assessment of ability to analyse information [SU4] Assessment of ability to use methods and tools [SU5] Assessment of ability to present the results of task
[K6_K01] Is aware of the social role of a technical university graduate and understands the need to provide information about technical achievements and engineering activities to society, including through the media.	Student is aware of the social role of a graduate of Gdańsk University of Technology, understands the need to reliably prepare information related to the implementation of engineering work and disseminate it in various forms	[SK4] Assessment of communication skills, including language correctness

<table>
<tr><td>Subject contents</td><td>Course content – project
An introduction to the principles of engineering diploma project implementation and a discussion of the requirements for preparing a diploma thesis.

Choosing and specifying the thesis topic.

Conducting a review of the scientific literature and other sources of information related to the engineering project topic.

Formulating the purpose, scope, and research or design problem.

Developing a project implementation plan, selecting appropriate research or design methods.

Implementing the engineering project.</td></tr>
<tr><td>Prerequisites and co-requisites</td><td>Knowledge of chemical and refinery technology. Knowledge of laboratory methods and the ability to use scientific literature and databases. Basic knowledge of the principles of scientific research and English sufficient to read professional literature are also recommended.</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>Report on the implementation of engineering work</td><td>100.0%</td><td>100.0%</td></tr></table></td></tr>
<tr><td rowspan="3">Recommended reading</td><td>Basic literature</td><td>As recommended by the engineering project supervisor.</td></tr>
<tr><td>Supplementary literature</td><td>As recommended by the engineering project supervisor.</td></tr>
<tr><td>eResources addresses</td><td></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td>As recommended by the engineering project supervisor.</td></tr>
<tr><td>Practical activites within the subject</td><td>Not applicable</td></tr>
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