



Subject card

Subject name and code	Engineering diploma project I, PG_00060775						
Field of study	Chemical Technology						
Date of commencement of studies	October 2026	Academic year of realisation of subject				2028/2029	
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.	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.	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		

Subject contents	<p>Course content – project An introduction to the principles of engineering diploma project implementation and a discussion of the requirements for preparing a diploma thesis.</p> <p>Choosing and specifying the thesis topic.</p> <p>Conducting a review of the scientific literature and other sources of information related to the engineering project topic.</p> <p>Formulating the purpose, scope, and research or design problem.</p> <p>Developing a project implementation plan, selecting appropriate research or design methods.</p> <p>Implementing the engineering project.</p>								
Prerequisites and co-requisites	<p>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.</p>								
Assessment methods and criteria	<table border="1"> <thead> <tr> <th data-bbox="456 712 786 741">Subject passing criteria</th> <th data-bbox="799 712 1139 741">Passing threshold</th> <th data-bbox="1152 712 1466 741">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="456 748 786 792">Report on the implementation of engineering work</td> <td data-bbox="799 748 1139 792">100.0%</td> <td data-bbox="1152 748 1466 792">100.0%</td> </tr> </tbody> </table>	Subject passing criteria	Passing threshold	Percentage of the final grade	Report on the implementation of engineering work	100.0%	100.0%		
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Recommended reading	<table border="1"> <tbody> <tr> <td data-bbox="456 817 786 846">Basic literature</td> <td data-bbox="799 817 1466 846">As recommended by the engineering project supervisor.</td> </tr> <tr> <td data-bbox="456 853 786 882">Supplementary literature</td> <td data-bbox="799 853 1466 882">As recommended by the engineering project supervisor.</td> </tr> <tr> <td data-bbox="456 889 786 907">eResources addresses</td> <td data-bbox="799 889 1466 907"></td> </tr> </tbody> </table>	Basic literature	As recommended by the engineering project supervisor.	Supplementary literature	As recommended by the engineering project supervisor.	eResources addresses			
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Supplementary literature	As recommended by the engineering project supervisor.								
eResources addresses									
Example issues/ example questions/ tasks being completed	<p>As recommended by the engineering project supervisor.</p>								
Practical activities within the subject	<p>Not applicable</p>								

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