



Subject card

Subject name and code	ENGINEERING DIPLOMA PROJECT II, PG_00064419						
Field of study	Chemistry						
Date of commencement of studies	October 2024		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	4		Language of instruction		Polish		
Semester of study	7		ECTS credits		4.0		
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						
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	60.0	0.0	60
	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	60		10.0		30.0	100
Subject objectives	The aim of this course is to independent completion of an engineering diploma project in the field of chemistry. The course aims to develop skills in 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_U02] determines the time required for the task, plans and organises the work of both the individual and the small team in such a way as to ensure that the task is completed within the set time limit		can create a research plan for the study and optimize the research timeline to meet the project deadline.		[SU1] Assessment of task fulfilment		
	[K6_U04] creates detailed documentation of the results obtained from the experiments carried out individually or as part of a team, analysing and interpreting the results in the form of text documents, spreadsheets, graphs, technological diagrams, multimedia presentations using correct chemical nomenclature		is able to analyze and accurately describe the experiments necessary for the completion of a thesis, using correct scientific terminology and appropriate software.		[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_K03] is aware of the importance of caring for the quality and diligence of the tasks performed, being responsible for their consequences		is aware of the reliability of the scientific studies and their descriptions, and is aware of the consequences of misinterpreting the results.		[SK4] Assessment of communication skills, including language correctness		
	[K6_U09] is able to recognise hazards, counteract them and work with chemical reagents and basic technical apparatus in accordance with health and safety principles and the concept of sustainability		is able to conduct scientific research while taking the necessary precautions and complying with health and safety regulations; is able to identify hazards associated with working with chemical reagents and eliminate those hazards.		[SU4] Assessment of ability to use methods and tools [SU3] Assessment of ability to use knowledge gained from the subject		

Subject contents	Course content – project Implementation of the engineering diploma project. Preparation of the literature review. Analysis and interpretation of the obtained results. Preparation of the engineering diploma project manuscript.		
Prerequisites and co-requisites	Knowledge of physical chemistry, inorganic chemistry, organic chemistry, and chemical engineering. 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.		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Engineering diploma project	100.0%	100.0%
Recommended reading	Basic literature	As recommended by the engineering project supervisor.	
	Supplementary literature	As recommended by the engineering project supervisor.	
	eResources addresses		
Example issues/ example questions/ tasks being completed	As recommended by the engineering project supervisor.		
Practical activities within the subject	Not applicable		

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