



Subject card

Subject name and code	Engineering diploma project 1, 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 Corrosion and Electrochemistry -> Faculty of Chemistry -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor	prof. dr hab. inż. Juliusz Orlikowski					
	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 the course is to develop students' ability to independently plan, analyze, and implement a comprehensive engineering project that integrates the theoretical and practical knowledge acquired during their studies, as well as to shape the design, decision-making, and professional responsibility skills necessary for the work of an engineer.						
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.	The student is able to plan and conduct experimental research in chemistry or chemical technology necessary for the completion of an engineering thesis, including selecting appropriate analytical methods, preparing samples, performing measurements using laboratory equipment, and then compiling, analyzing, and interpreting the results obtained.			[SU1] Assessment of task fulfilment		
	[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.	The student is aware of the importance of reliable and responsible presentation of chemical research results and their significance for the development of science, technology, and environmental protection.			[SK2] Assessment of progress of work		
Subject contents	Course content – project The course covers the introduction to the engineering diploma project, planning and organization of the project, sourcing and critical analysis of literature and other information sources, selection and application of research and computational methods, documentation and interpretation of research results, and drawing conclusions. The student develops skills in independent learning, teamwork, presentation of results, and correct use of chemical nomenclature and technical terminology, while taking into account professional ethics and social responsibility.						
Prerequisites and co-requisites							

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Manuscript of work	60.0%	100.0%
Recommended reading	Basic literature	There is no fixed list of literature, it depends on the topics of the work	
	Supplementary literature	There is no list of literature, it depends on the topics of the work	
	eResources addresses		
Example issues/ example questions/ tasks being completed	It strictly depends on the topic of the thesis		
Practical activities within the subject	Not applicable		

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