



Subject card

Subject name and code	Engineering diploma project 1, PG_00060775						
Field of study	Chemical Technology						
Date of commencement of studies	October 2024		Academic year of realisation of subject			2026/2027	
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 acquire information from literature, databases and other appropriately selected sources, also in English; is able to integrate information obtained, interpret it and make conclusions, formulate and justify opinions	The student is able to obtain the information necessary to carry out research for their thesis, apply appropriate data analysis methods, draw conclusions, and reliably document and present the results in a consistent manner in line with the objectives of the engineering project.	[SU1] Assessment of task fulfilment
	[K6_W12] knows the chemical nomenclature in Polish and specialized terms related to chemical technology	The student knows and uses chemical nomenclature in Polish and specialist terminology related to chemical technology, applying it in the analysis, interpretation, and description of research results, as well as in the preparation of documentation and presentation of the thesis.	[SW3] Assessment of knowledge contained in written work and projects
	[K6_K01] understands the need for continuing education, and is aware of the opportunities to improve professional, personal and social competences	The student understands the importance of continuous improvement of their knowledge and skills, is able to independently identify competency gaps during the implementation of their diploma project, and takes actions aimed at improving their professional, personal, and social competencies.	[SK2] Assessment of progress of work
	[K6_U11] individually plans and implements his/her own learning	The student is able to independently plan and implement their own learning as part of their thesis, monitor progress in acquiring knowledge and skills, reflect on the learning process, and, if necessary, correct their actions by selecting appropriate sources of information and working methods.	[SU1] Assessment of task fulfilment
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		

Document generated electronically. Does not require a seal or signature.