



Subject card

Subject name and code	Engineering diploma project II, PG_00060776						
Field of study	Chemical Technology						
Date of commencement of studies	October 2023	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	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 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	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	5.0		35.0	100	
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_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		
	[K6_U12] applies the principles of health and safety at work	The student is able to conduct tests and measurements in accordance with corrosion laboratory regulations.			[SU1] Assessment of task fulfilment		
	[K6_U02] is able to operate typical laboratory apparatus and conduct analyses related to materials testing	The student is able to perform all necessary corrosion tests related to engineering work.			[SU1] Assessment of task fulfilment		
	[K6_K02] understands the non-technical aspects and implications of the activities of a chemical engineer, including the impact on the environment, is aware of professional behaviour, observance of professional ethics and respect for diversity of views and cultures	The student is aware of the ethical aspects of preparing an engineering thesis, including the need to comply with anti-plagiarism rules and to cite sources accurately.			[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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