



Subject card

Subject name and code	Engineering diploma project II, PG_00060776						
Field of study	Chemical Technology						
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 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		Students conducting research shall comply with the rules and regulations in force in the laboratory.			[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 operate laboratory equipment necessary to perform tests related to engineering work, in particular in the field of corrosion testing.			[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 understands the importance of ethical formulation of an engineering thesis and is able to create a text that complies with the applicable anti-plagiarism rules.			[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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