



Subject card

Subject name and code	Master's thesis, PG_00048995						
Field of study	PRACA DYPLOMOWA MAGISTERSKA						
Date of commencement of studies	February 2025		Academic year of realisation of subject		2025/2026		
Education level	second-cycle studies		Subject group				
Mode of study	Full-time studies		Mode of delivery		at the university		
Year of study	1		Language of instruction		Polish Polish		
Semester of study	2		ECTS credits		20.0		
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		dr hab. inż. Andrzej Miszczyk				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	0.0	0.0	0
	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	0		60.0		440.0	500
Subject objectives	formulating a hypothesis, developing a research plan, carrying out research, analyzing the results and writing a thesis						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K7_W04] recognises scientific, technological, organisational and economic opportunities and constraints in corrosion and related fields		The student has knowledge of development trends and new achievements in fields of science and scientific disciplines and their limitations, specific to corrosion and related fields		[SW1] Ocena wiedzy faktograficznej [SW3] Ocena wiedzy zawartej w opracowaniu tekstowym i projektowym		
	[K7_K04] is aware of his/her responsibility for taking decisions, respecting and developing principles of professional ethics and acting in accordance with these principles		the student demonstrates awareness of responsibility for his/her decisions and adheres to the principles of professional ethics and feels obliged to act to ensure their observance		[SK3] Ocena umiejętności organizacji pracy [SK5] Ocena umiejętności rozwiązywania problemów występujących w praktyce		
	[K7_K01] critically evaluates the content of scientific and practical problems		When solving design problems, the student notices critical aspects including cognitive and practical problems		[SK2] Ocena postępów pracy [SK5] Ocena umiejętności rozwiązywania problemów występujących w praktyce		
	[K7_U03] designs innovative technological solutions for obtaining useful goods based on the latest knowledge in accordance with the current scientific literature		the student is able to develop solutions for the protection and conservation of material goods in terms of their proper maintenance based on the latest scientific and technical knowledge		[SU1] Ocena realizacji zadania [SU2] Ocena umiejętności analizy informacji [SU3] Ocena umiejętności wykorzystania wiedzy uzyskanej w ramach przedmiotu [SU4] Ocena umiejętności korzystania z metod i narzędzi		
Subject contents							
Prerequisites and co-requisites	Knowledge of subjects realized during studies, experience in the field of laboratory work and safety rules during laboratory work						
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	evaluation of the performance of research and the written thesis		60.0%		100.0%		
Recommended reading	Basic literature		articles from journals: Progress in Organic Coatings, Corrosion Science				

	Supplementary literature	books from the Main Library of the Gdańsk University of Technology
	eResources addresses	Basic https://www-1scopus-1com-1000004t6004a.han.bg.pg.edu.pl/pages/home?display=basic#basic - Scopus database (access date: 17/11/2025)
Example issues/ example questions/ tasks being completed	analysis of test results obtained by impedance spectroscopy, evaluation of barrier properties of coatings, interpretation of the results of coating adhesion to the substrate	
Practical activities within the subject	Not applicable	

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