GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	MASTER`S THESIS, PG_00064452		
Field of study	Corrosion		
Date of commencement of studies	February 2025	Academic year of realisation of subject	2025/2026
Education level	second-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	2	Language of instruction	Polish
Semester of study	3	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	57.0	443.0	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_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.	[SU4] Assessment of ability to use methods and tools [SU3] Assessment of ability to use knowledge gained from the subject [SU2] Assessment of ability to analyse information [SU1] Assessment of task fulfilment
[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.	[SK5] Assessment of ability to solve problems that arise in practice [SK2] Assessment of progress of work
[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.	[SK5] Assessment of ability to solve problems that arise in practice [SK3] Assessment of ability to organize work
[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.	[SW3] Assessment of knowledge contained in written work and projects [SW1] Assessment of factual knowledge

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

<table>
<tr><td>Assessment methods and criteria</td><td colspan="3"><table><tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr><tr><td>evaluation of the performance of research and the written thesis</td><td>60.0%</td><td>100.0%</td></tr></table></td></tr>
<tr><td rowspan="3">Recommended reading</td><td>Basic literature</td><td colspan="2">articles from journals: Progress in Organic Coatings, Corrosion Science</td></tr>
<tr><td>Supplementary literature</td><td colspan="2">books from the Main Library of the Gdańsk University of Technology</td></tr>
<tr><td>eResources addresses</td><td colspan="2"></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td colspan="3">analysis of test results obtained by impedance spectroscopy, evaluation of barrier properties of coatings, interpretation of the results of coating adhesion to the substrate</td></tr>
<tr><td>Practical activites within the subject</td><td colspan="3">Not applicable</td></tr>
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