GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Corrosion in petrochemical industry, PG_00035461		
Field of study	Corrosion		
Date of commencement of studies	February 2024	Academic year of realisation of subject	2024/2025
Education level	second-cycle studies	Subject group	Obligatory subject group in the field of study 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	1	Language of instruction	Polish
Semester of study	2	ECTS credits	2.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Department of Electrochemistry, Corrosion and Materials Engineering -> Faculty of Chemistry		
Name and surname of lecturer (lecturers)	Subject supervisor	prof. dr hab. inż. Juliusz Orlikowski	
	Teachers		

Lesson types and methods of instruction

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	15.0	0.0	15.0	0.0	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	3.0	17.0	50

Subject objectives

Familiarization with corrosion mechanisms in the refining industry

Learning outcomes

Course outcome	Subject outcome	Method of verification
K7_W04	Ability to use corrosion monitoring systems	[SW1] Assessment of factual knowledge
K7_K01	Practical and theoretical knowledge based on classes	[SK5] Assessment of ability to solve problems that arise in practice
K7_W02	Umiejętność rozpoznawania form korozji w przemyśle rafineryjnym	[SW1] Assessment of factual knowledge
K7_U04	Analysis of corrosion mechanisms during laboratory classes	[SU2] Assessment of ability to analyse information

Subject contents

Przedstawienie wszystkich podstawowych mechanizmów w przemyśle rafineryjnym. Zapoznanie się z praktycznymi metodami pomiaru

Prerequisites and co-requisites

Basics of corrosion

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Final exam	60.0%	100.0%

Recommended reading

Basic literature	API RBi standard 571
Supplementary literature	There is no requirement
eResources addresses	Adresy na platformie eNauczanie:

Example issues/ example questions/ tasks being completed

Mechanizmy korozyjne w przemyśle rafineryjnym

Warunki ich występowania

Zagrożone materiały

Work placement

Not applicable