



## Subject card

Subject name and code	Corrosion in petrochemical industry, PG_00035461						
Field of study	Corrosion						
Date of commencement of studies	February 2023	Academic year of realisation of subject			2023/2024		
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	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_U04	Analysis of corrosion mechanisms during laboratory classes			[SU2] Assessment of ability to analyse information		
	K7_W02	Umiejętność rozpoznawania form korozji w przemyśle rafineryjnym			[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_W04	Ability to use corrosion monitoring systems			[SW1] Assessment of factual knowledge		
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						
Example issues/ example questions/ tasks being completed	Mechanizmy korozyjne w przemyśle rafineryjnym  Warunki ich występowania  Zagrożone materiały						
Work placement	Not applicable						