



Subject card

Subject name and code	Corrosion inhibitors, PG_00048980						
Field of study	Corrosion						
Date of commencement of studies	February 2024	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	1	ECTS credits			3.0		
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. Stefan Krakowiak					
	Teachers	dr hab. inż. Stefan Krakowiak					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	0.0	0.0	15.0	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	5.0		40.0		75
Subject objectives	Teaching students the possibility of using corrosion inhibitors as corrosion protection technology.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	K7_U01	The student is able to present a presentation on the topic given by the teacher.			[SU5] Assessment of ability to present the results of task		
	K7_W04	The student is able to perform basic corrosion measurements.			[SW1] Assessment of factual knowledge [SW2] Assessment of knowledge contained in presentation		
	K7_U06	Student is able to choose corrosion inhibitors for basic applications in industry.			[SU3] Assessment of ability to use knowledge gained from the subject		
	K7_W03	Student is able to select the corrosion inhibitors and propose a way to check their effectiveness			[SW1] Assessment of factual knowledge		
Subject contents	Basics of corrosion protection. Corrosion inhibitors. Effectiveness of corrosion inhibitors. Temporary protection. Voltaile corrosion inhibitors.						
Prerequisites and co-requisites	Knowledge of the fundamentals of corrosion and corrosion protection.						
Assessment methods and criteria	Subject passing criteria	Passing threshold		Percentage of the final grade			
	Passing the lecture.	60.0%		70.0%			
	Presentation of a multimedia presentation.	100.0%		30.0%			
Recommended reading	Basic literature	S. Szklarska Smialowska, Corrosion inhibitors of metala, PWN, Warszawa, 1971					

	Supplementary literature	available on e-learning.
	eResources addresses	Adresy na platformie eNauczenie:
Example issues/ example questions/ tasks being completed	Atmospheric corrosion. Classification of corrosion inhibitors. Temporary protection. Copper corrosion inhibitors. "Green" corrosion inhibitors.	
Work placement	Not applicable	