

## 关。GDAŃSK UNIVERSITY 多 OF TECHNOLOGY

## Subject card

Subject name and code	Designing corrosion protection, PG_00039693								
Field of study	Materials Engineering	g, Materials Eng	gineering, Mate	erials Engineeri	ing				
Date of commencement of studies	February 2023		Academic year of realisation of subject			2022/2023			
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	1		Language of instruction			Polish			
Semester of study	1		ECTS credits			2.0			
Learning profile	general academic profile		Assessment form			assessment			
Conducting unit	Department of Electr	ochemistry, Co	rrosion and Ma	Faculty of Chemistry					
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. inż. Stefan Krakowiak						
	Teachers		dr hab. inż. S	ık					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory Project S		Seminar	SUM		
	Number of study hours	15.0	0.0	15.0	0.0		0.0	30	
	E-learning hours incl	arning hours included: 0.0			•		•		
Learning activity and number of study hours	Learning activity	Participation i classes includ plan		Participation in consultation hours		Self-study		SUM	
	Number of study 30 hours			5.0		15.0		50	
Subject objectives	Teaching students to carry out a technological project for corrosion protection and selection of construction materials.								
Learning outcomes	Course outcome		Subject outcome			Method of verification			
	к7_к02		The student cooperates in solving design problems with the team.			[SK4] Assessment of communication skills, including language correctness [SK1] Assessment of group work skills			
	K7_U04		The student defines environmental hazards of industrial construction. The student will identify the types of corrosion occurring in the given corrosive environment.			[SU3] Assessment of ability to use knowledge gained from the subject			
	K7_W04		The student presents a project of corrosion protection of an industrial facility indicated by the lecturer.			[SW1] Assessment of factual knowledge			
	K7_W05		The student presents a project of corrosion protection of an industrial facility indicated by the lecturer.			[SW1] Assessment of factual knowledge			
Subject contents	Technical documentation of the project. Pre-design corrosion measurements. Technical description of the project. Consistency of the construction and technical design and corrosion protection design. Conditions for the implementation of corrosion protection. Surveillance system and work acceptance conditions.								
Prerequisites and co-requisites	Knowledge of the bas			-					
Assessment methods and criteria	Subject passing criteria		Pass	Passing threshold			Percentage of the final grade		
	Project 2		100.0%			30.0%			
	Project 1		100.0% 70.0%						
Recommended reading	Basic literature		Literature available on the e-learning site. Corrosion standards.						
	Supplementary literature		Catalogs of producers of organic coatings and corrosion resistant alloys					resistant alloys.	
	eResources address	es	Adresy na platformie eNauczanie:						

	Project of corrosion protection of the supporting structure of pipeline flyover for transhipment of petroleum products in the Baltic sea port.
Work placement	Not applicable