

Subject card

Subject name and code	Corrosion Monitoring and NDT, PG_00048914							
Field of study	Chemistry in Construction Engineering							
Date of commencement of studies	October 2023		Academic year of realisation of subject			2024/2025		
Education level	first-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	2		Language of instruction			Polish		
Semester of study	4		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	Subject supervisor prof. dr hab. inż. Juliusz Orlikowski							
of lecturer (lecturers)	Teachers							
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	t 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 classes include plan		Participation in consultation hours		Self-study		SUM
	Number of study hours 30			5.0		40.0		75
Subject objectives	Mastering knowledge of nondestructive testing and corrosion monitoring							
Learning outcomes	Course out	Subject outcome			Method of verification			
	K6_U04					[SU1] Assessment of task fulfilment		
	K6_W08					[SW1] Assessment of factual knowledge		
Subject contents	Nondestructive testing: visual methods magnetic particle testing radiographic testing acoustic emission Corrosion monitoring: linear polarization method electric resistance method coupon method electrochemical noise.							
Prerequisites and co-requisites	Knowledge of electrochemistry and measurements of resistance							
Assessment methods			Passing threshold		Percentage of the final grade			
	Subject passin	g criteria	Pass	ing threshold		Per	centage of the	
and criteria	Subject passin Practical exercises	g criteria	Pass 60.0%	ing threshold		100.0%		grava
and criteria Recommended reading		g criteria	G. Wranglen p H.H. Uhlig Oc	oodstawy koroz hrona przed ko	orozją, V	100.0% ony me VNT, W	tali. WNT, Wa arszawa 1976	rszawa 1075
	Practical exercises Basic literature		G. Wranglen p H.H. Uhlig Oc H.H. Uhlig Oc	podstawy koroz hrona przed ko hrona przed ko	orozją, V	100.0% ony me VNT, W	tali. WNT, Wa arszawa 1976	rszawa 1075
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	Practical exercises Basic literature Supplementary literat	ture es	G. Wranglen p H.H. Uhlig Oc H.H. Uhlig Oc See: www.kor Adresy na pla	podstawy koroz hrona przed ko hrona przed ko ozja.pl ttformie eNauc	orozją, V orozją, V zanie:	ony me VNT, W	tali. WNT, Wa arszawa 1976 arszawa 1976	rszawa 1075

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