

Subject card

Subject name and code	Corrosion in food industry, PG_00035456								
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			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 Teachers		prof. dr hab. inż. Juliusz Orlikowski prof. dr hab. inż. Juliusz Orlikowski						
Lesson types and methods	Lesson type	Lecture	Tutorial	Laboratory	Projec	t	Seminar	SUM	
of instruction	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 ir classes include plan			Participation in consultation hours		Self-study		SUM	
	Number of study hours			3.0		17.0		50	
Subject objectives	The aim of the course is to provide knowledge about technology in the food industry, water systems, corrosion protection .								
Learning outcomes	Course outcome		Subject outcome			Method of verification			
	K7_W04		food industry installations			[SW1] Assessment of factual knowledge			
	K7_K01					[SK2] Assessment of progress of work			
	K7_W02					[SW1] Assessment of factual knowledge			
	K7_U04		Analysis of corrosive factors			[SU1] Assessment of task fulfilment			
Subject contents	Presentation of water treatment technology, construction of pipelines, construction materials. Presentation of corrosion hazards: general corrosion, corrosion under deposists, corrosion, zinc coating. Analysis of water composition, corrosion indexes. Overview of fruit juice and beer technology. Presentation of corrosion hazards in the food industry and discussion of construction materials.								
Prerequisites and co-requisites	knowledge of organic technology and corrosion protection technologies								
Assessment methods and criteria	Subject passing criteria		Passing threshold			Percentage of the final grade			
	Exam		60.0%		100.0%				
Recommended reading	Basic literature	L.L. Shreir, Corrosion, Newnes-Butterworths, 1976 Karl Weber, Food Inc., A Participant Guide: How Industrial Food is Making Us Sicker, Fatter, and Poorer-And What You Can Do About It							

Data wydruku: 18.05.2024 21:16 Strona 1 z 2

		A Participant Guide: How Industrial Food is Making Us Sicker, Fatter, and Poorer-And What You Can Do About It				
	eResources addresses	Adresy na platformie eNauczanie:				
Example issues/ example questions/ tasks being completed	Principles of electrochemical protection, coating protection, corrosion hazards in the food industry					
Work placement	Not applicable					

Data wydruku: 18.05.2024 21:16 Strona 2 z 2