

Subject card

Date of commencement of studies Education level first-cycle Mode of study Full-time study Year of study 2 Semester of study 4 Learning profile general activity and number of study hours October 2 first-cycle first-cycle first-cycle study 4 Lust of study 2 Semester of study 4 Learning profile general activity and number of study hours Department Subject study fours first or hours in the study hours	in Constru		Corrosion Processes, PG_00048916								
Date of commencement of studies Education level first-cycle Mode of study Full-time of study Year of study 2 Semester of study 4 Learning profile general and Conducting unit Department of lecturer (lecturers) Teachers Lesson types and methods of instruction Subject of learning activity and number of study hours Subject objectives To acquain		Chemistry in Construction Engineering									
Mode of study Year of study 2 Semester of study Learning profile Conducting unit Name and surname of lecturer (lecturers) Lesson types and methods of instruction Learning activity and number of study hours Subject objectives Full-time states Subject states Subject states Teachers Lesson ty Number of hours Number of hours Subject objectives To acquain	October 2023		Academic year of realisation of subject			2024/2025					
Year of study Semester of study Learning profile Conducting unit Name and surname of lecturer (lecturers) Lesson types and methods of instruction Learning activity and number of study hours Subject objectives 2 Semester of study Department Subject struction Teachers Lesson ty Number of hours Number of hours Number of hours Subject objectives To acquain	first-cycle studies		Subject group			Obligatory subject group in the field of study					
Year of study Semester of study Learning profile Conducting unit Name and surname of lecturer (lecturers) Lesson types and methods of instruction Learning activity and number of study hours Subject so Teachers Lesson types and methods of instruction Learning activity and number of study hours Subject objectives To acquain	Full-time studies		Mode of delivery			at the university					
Semester of study Learning profile Conducting unit Name and surname of lecturer (lecturers) Lesson types and methods of instruction Learning activity and number of study hours Subject objectives 4 Department Subject starting Subject sta	2		Language of instruction			Polish					
Learning profile Conducting unit Name and surname of lecturer (lecturers) Lesson types and methods of instruction Learning activity and number of study hours Subject so Teachers Lesson ty Number of hours Learning activity and number of study hours Subject objectives To acquain	4		ECTS credits			3.0					
Conducting unit Name and surname of lecturer (lecturers) Lesson types and methods of instruction Learning activity and number of study hours Subject objectives Departmet Subject strong Subject str	general academic profile		Assessment form			assessment					
Name and surname of lecturer (lecturers) Lesson types and methods of instruction Learning activity and number of study hours Subject so Subj				rosion and Materials Engineering -> Faculty of Chemistry							
of lecturer (lecturers) Lesson types and methods of instruction Learning activity and number of study hours Subject objectives Teachers Lesson ty Number of hours Number of hours To acquain				prof. dr hab. inż. Kazimierz Darowicki							
Lesson types and methods of instruction Learning activity and number of study hours Subject objectives Lesson ty Number of hours Learning activity Number of hours To acquain	- ' '			F. S.							
of instruction Number of hours E-learning activity and number of study hours Number of hours Number of hours Subject objectives To acquain	pe	Lecture	Tutorial	Laboratory	Projec	ct Seminar SUM		SUM			
Learning activity and number of study hours Number of hours Subject objectives To acquain	f study	15.0	0.0	15.0	0.0		0.0	30			
and number of study hours Number of hours Subject objectives To acquain	E-learning hours included: 0.0										
Subject objectives To acquain	activity	Participation in classes includ plan		Participation in consultation hours		Self-study		SUM			
	f study	30		5.0		40.0		75			
Learning outcomes	To acquaint students with the basic corrosion processes and types of corrosion										
	Course out	come	Subject outcome			Method of verification					
K6_U09	K6_U09			the student is able to choose the type of protection for a given material			[SU4] Assessment of ability to use methods and tools				
K6_W05	K6_W05						[SW1] Assessment of factual knowledge				
K6_K03	K6_K03			the student is able to solve problems related to corrosion of materials			[SK2] Assessment of progress of work				
its solution corrosion: corrosion- descriptio concentra brass. 8.F	Lecture: -Chemical thermodynamics: corrosion cells, E/pH diagrams, thermodynamic stability of water and its solutionsCorrosion processes kinetics: E=f(I) diagrams, corrosion processes controlTypes of corrosion: general, pitting, selective, intergranular, crevice, stress corrosion and stress corrosion cracking, corrosion-erosion, cavitationCorrosion occuring conditions (practical examples)Atlas of corrosion fatigue: description and visualization of fatigues. Laboratory: 1.Introduction and safety. 2.Temperature cell. 3.Oxygen concentration cell. 4.Galvanic cell. 5.Crevice corrosion. 6.Intergranular corrosion. 7.Selective corrosion of brass. 8.Pitting corrosion of steel. 9.Water 10.Reserved.										
Prerequisites Chemical and co-requisites	thermodyna	amics									
	Subject passing criteria			Passing threshold			Percentage of the final grade				
	Laboratory			60.0%		50.0%					
Written e	Written exam			L				50.0%			
1 tooonimonada rodamig	Basic literature		http://www.korozja.pl								
- · · ·	Supplementary literature			No requirements							
	eResources addresses Adresy na platformie eNauczanie:										
Example issues/ pescribe example questions/ tasks being completed	Describe the work of a corrosion cell. Characterize the types of corrosion.										
Work placement Not applic											

Data wydruku: 20.05.2024 15:41 Strona 1 z 1