

关。GDAŃSK UNIVERSITY 创 OF TECHNOLOGY

Subject card

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cquaint students	with the basic	corrosion proc	esses and type	s of cor	osion		
Course outcome Subject outcome Method of ve				rification			
K6_K01		To acquaint students with the basic corrosion processes and types of corrosion					
K6_U01		To acquaint students with the basic corrosion processes and types of corrosion					
K6_W07		To acquaint students with the basic corrosion processes and types of corrosion					
K6_U02		To acquaint students with the basic corrosion processes and types of corrosion					
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.							
nical thermodyna	amics						
Subject passing criteria		Passing threshold			Percentage of the final grade		
Basic literature		http://www.korozja.pl					
Supplementary literature		No requirements					
eResources addresses Adresy na platformie eNauczanie: Corrosion cells. Types of corrosion. Potential / current diagrams							
applicable							
	Course out (01 J01 J01 W07 J02 re: -Chemical th lutionsCorrosi sion: general, pi sion: general, pi sion: general, pi sion: general, pi sion: general, pi sion and visua entration cell. 4.0 . 8.Pitting corros nical thermodyna Subject passin literature lementary literat ources addresse ision cells. Type	Course outcome (01 J01 J01 W07 J02 re: -Chemical thermodynamics lutionsCorrosion processes k sion: general, pitting, selective, sion-erosion, cavitationCorro iption and visualization of fatig entration cell. 4.Galvanic cell. 5 . 8.Pitting corrosion of steel. 9. nical thermodynamics Subject passing criteria Eliterature lementary literature ources addresses ision cells. Types of corrosion.	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