

关。GDAŃSK UNIVERSITY 创 OF TECHNOLOGY

Subject card

Corrosion monitoring, PG_00048988							
Corrosion							
February 2024		Academic year of realisation of subject			2024/2025		
second-cycle studies		Subject group			Obligatory subject group in the field of study		
					Subject group related to scientific research in the field of study		
Full-time studies		Mode of delivery			at the university		
1		Language of instruction			Polish		
2		ECTS credits			4.0		
general academic profile		Assessment form			exam		
Department of Electrochemistry, Cor		rrosion and Materials Engineering ->			Faculty of Chemistry		
Subject supervisor	prof. dr hab. inż. Juliusz Orlikowski						
Teachers							
Lesson type	Lecture	Tutorial	Laboratory	Projec	:t	Seminar	SUM
Number of study hours	15.0	0.0	30.0	0.0		0.0	45
E-learning hours inclu	ided: 0.0						
Learning activity	activity Participation in di classes included plan		ic Participation in udy consultation hours		Self-study S		SUM
Number of study 45 hours		5.0		50.0		100	
The aim of the course	e is to present i	ssues from cor	rosion monitor	ing and	risk ana	alysis	
Course out	Subject outcome Method of verification						
K7_U05		The aim of monitoring and risk analysis			[SU1] Assessment of task fulfilment		
K7_U04		Analysis of corrosion mechanisms under RBI			[SU1] Assessment of task fulfilment		
K7_W04		Analysis of the installation data and the composition of process streams in terms of corrosion risk			[SW1] Assessment of factual knowledge		
Przedstawienie budowy i funkcjonowania podstawowych instalacji rafineryjnych. Opis procesów technologicznych oraz ich wpływ na korozję. Przedstawienie technik monitorowania metodą FSM, ultradźwiękową. Analiza grupowa RBI.							
Basic knowledge of C	hemical Engin	eering and the	basis of corros	sion			
Assessment methods Subject passing criteria		Passing threshold			Percentage of the final grade		
Final Exam		60.0%		100.0%			
Basic literature		RBI Risk Base Inspection API RBI 571, 580, 581					
Supplementary literature There is no requirement.							
eResources addresse	Resources addresses Adresy na platformie eNauczanie:						
	Corrosion monitoring, Corrosion February 2024 second-cycle studies Full-time studies 1 2 general academic pro Department of Electro Subject supervisor Teachers Lesson type Number of study hours E-learning hours inclu Learning activity Number of study hours The aim of the course Course outo K7_U05 K7_U04 K7_U04 K7_W04 Przedstawienie budor technologicznych ora ultradźwiękową. Anal Basic knowledge of C Subject passin Final Exam Basic literature Supplementary literat	Corrosion monitoring, PG_00048988 Corrosion February 2024 second-cycle studies Full-time studies 1 2 general academic profile Department of Electrochemistry, Co Subject supervisor Teachers Lesson type Lecture Number of study hours E-learning hours included: 0.0 Learning activity Participation in classes includ plan Number of study hours The aim of the course is to present i Course outcome K7_U05 K7_U04 K7_W04 Przedstawienie budowy i funkcjonov technologicznych oraz ich wpływ na ultradźwiękową. Analiza grupowa RI Basic knowledge of Chemical Engin Subject passing criteria Final Exam Basic literature Supplementary literature eResources addresses	Corrosion February 2024 Academic y realisation second-cycle studies Subject grown in the studies Full-time studies Mode of deen in the studies Participation in the studies Participation in didactic classes included in study plan Number of study 15.0 0.0 Number of study Participation in didactic classes included in study plan The aim of the course is to present issues from cor Course outcome Subj Subj K7_U05 The aim of me analysis K7_U04 Analysis of courd on the analysis K7_W04 Analysis of courd on the streams in ter Przedstawienie budowy i funkcjonowania podstawe technologicznych oraz i ch wp/w na korozje. Przed ultradźwiękową. Analiza grupowa RBI. Basic literature RBI Risk Base Subject passing criteria Pass Final Exam 60.0% Basic literature RBI Risk Base	Corrosion monitoring, PG_00048988 Corrosion February 2024 Academic year of realisation of subject second-cycle studies Subject group Full-time studies Mode of delivery 1 Language of instruction 2 ECTS credits general academic profile Assessment form Department of Electrochemistry, Corrosion and Materials Engined Subject supervisor prof. dr hab. inż. Juliusz Orli Teachers Elearning hours included: 0.0 Learning nours included: 0.0 Learning activity Participation in didactic classes included in study plan Participation in didactic classes included in study plan Number of study hours 45 5.0 The aim of the course is to present issues from corrosion monitor Course outcome K7_U05 The aim of monitoring and ri analysis K7_U04 Analysis of corrosion recha under RBI K7_W04 Analysis of the installation d and the composition of proce streams in terms of corrosion of proce streams in terms of corrosion of proce streams in terms of corrosion process in terms of corrosion of process streams in terms of corrosion of procestreams in terms of corrosion of process in terms of c	Corrosion monitoring, PG_00048988 Corrosion February 2024 Academic year of realisation of subject second-cycle studies Subject group Full-time studies Mode of delivery Language of instruction Corrosion and Materials Engineering >> Subject supervisor prof. dr hab. inż. Juliusz Orlikowski Teachers Lesson type Lecture Tutorial Laboratory Projec Number of study 15.0 0.0 30.0 0.0 E-learning hours included: 0.0 Learning activity Participation in didactic classes included in study plan Number of study 45 5.0 The aim of the course is to present issues from corrosion monitoring and Course outcome Subject outcome K7_U05 The aim of the course is to present issues from corrosion monitoring and K7_U04 Analysis of corrosion mechanisms under RBI K7_U04 Analysis of corrosion risk Przedstawienie budowy i funkcjonowania podstawowych instalacji rafiner technologicznych oraz ich wptyw ma korozje. Przedstawienie technik mor uitradzwiękowa. Analiza grupowa RBI. Basic Interature RBI Risk Base Inspection API RBI 5 Supplementary literature RR Adresy na platformie eNauczanie:	Corrosion Academic year of realisation of subject 2024/ Second-cycle studies Subject group Oblight of subject Full-time studies Mode of delivery at the 1 Language of instruction Polish 2024/ general academic profile Assessment form exam Department of Electrochemistry, Corrosion and Materials Engineering -> Faculty subject supervisor prof. dr hab. inż. Juliusz Orlikowski Teachers Itorial Laboratory Project Number of study 15.0 0.0 30.0 0.0 Number of study Participation in didactic classes included in study plan Participation in classes included in study plan Subject outcome Self-st Number of study 45 5.0 50.0 50.0 The aim of the course is to present issues from corrosion monitoring and risk analysis of corrosion mechanisms fulfilme [SU1] / fulfilme K7_U04 Analysis of corrosion risk [SV1] / fulfilme K7_U04 Analysis of the installaction ratio as any sing threshold Perecessing with the object outcome K7_U04 Analysis of the installaction ratio and the composition of proceso horosion risk [SV1] / fulfilme K7_U04	Corrosion Academic year of realisation of subject 2024/2025 Second-cycle studies Subject group Obligatory subject group relate research in the field. Full-time studies Mode of delivery at the university 1 Language of instruction Polish 2 ECTS credits 4.0 general academic profile Assessment form exam Department of Electrochemistry. Corrosion and Materials Engineering -> Faculty of Chemistry Subject supervisor Prof. dr hab. inz. Juliusz Orlikowski Eeres research in the field. Learning hours included: 0.0 0.0 0.0 Learning activity Participation in cladatic Participation in consultation hours plan Number of study 15.0 5.0 50.0 Number of study 145 5.0 50.0 Number of study Analysis of corrosion monitoring and risk analysis [Suf] Assessment of fulfiment K7_U04 Analysis of the installation data and the composition of process [Suf] Assessment of fulfiment K7_W04 Analysis of the installation data and the composition of procesion [Suf] Assessment of fulfiment K7_W04 Analysis of the installatin data and the composition reprocesion

Example issues/	Corrosion monitoring techniques
example questions/	Methods of risk analysis
tasks being completed	Technological processes in refineries
Work placement	Not applicable