GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	STANDARDIZATION AND MANAGEMENT OF CORROSION, PG_00039726		
Field of study	Materials Engineering, Materials Engineering, Materials Engineering		
Date of commencement of studies	October 2022	Academic year of realisation of subject	2024/2025
Education level	first-cycle studies	Subject group	Optional subject group 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	3	Language of instruction	Polish
Semester of study	6	ECTS credits	1.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Department of Corrosion and Electrochemistry -> Faculty of Chemistry -> Wydziały Politechniki Gdańskiej		
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. inż. Andrzej Miszczyk	
	Teachers		

Lesson types and methods of instruction

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	15.0	0.0	0.0	0.0	0.0	15

E-learning hours included: 0.0

eNauczanie source address: https://enauczanie.pg.edu.pl/moodle/course/view.php?id=1089

Learning activity and number of study hours

Learning activity	Participation in didactic classes included in study plan	Participation in consultation hours	Self-study	SUM
Number of study hours	15	1.0	9.0	25

Subject objectives

familiarization with the idea of standardization, the use of corrosion protection standards for more effective implementation of tasks, standards as a source of knowledge, use of databases, journals and books in solving problems related to corrosion protection, writing papers and reports, information exchange

Learning outcomes

Course outcome	Subject outcome	Method of verification
K6_U03	a student is able to understand the functioning and limitations of functioning solutions, processes and objects	[SU1] Assessment of task fulfilment [SU2] Assessment of ability to analyse information [SU4] Assessment of ability to use methods and tools
K6_K01	a student understands the need to constantly verify their knowledge through the use of updated standards, specialist journals and books	[SK5] Assessment of ability to solve problems that arise in practice [SK2] Assessment of progress of work
K6_W10	the student has basic knowledge of management, in particular quality management	[SW1] Assessment of factual knowledge [SW3] Assessment of knowledge contained in written work and projects
K6_W09	the student has general knowledge in the field of humanities, social sciences and economics in the field of basics and applications	[SW1] Assessment of factual knowledge [SW2] Assessment of knowledge contained in presentation [SW3] Assessment of knowledge contained in written work and projects

Subject contents

Standards - definition, purpose, scope of application, standardization organizations in Poland, Europe and in the world, examples of standards in the field of corrosion protection, use of standards, sources of knowledge about corrosion phenomena and methods of protection - databases, corrosion organizations in the world, use of library resources, corrosion journals, structure of a scientific article and report, citation, literature in theses

Prerequisites and co-requisites

basic information on corrosion and corrosion protection

<table>
<tr><td>Assessment methods and criteria</td><td colspan="2"><table><tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr><tr><td>test</td><td>60.0%</td><td>100.0%</td></tr></table></td></tr>
<tr><td rowspan="3">Recommended reading</td><td>Basic literature</td><td>G. Schmitt, Global Needs for Knowledge Dissemination, Research, and Development in Materials Deterioration and Corrosion Control, Copyright © 2009 World Corrosion Organization,

Anita S. Sathe, Implementing ISO Standard,

standards</td></tr>
<tr><td>Supplementary literature</td><td>articles from corrosion journals</td></tr>
<tr><td>eResources addresses</td><td></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td colspan="2">Definition of the standard. Structure of a scientific article. Corrosion organizations in Europe and the USA. Surface preparation symbols according to ISO standard. Environmental corrosivity categories according to PN-EN ISO 12944. Method of quoting literature in theses, reports and scientific articles.</td></tr>
<tr><td>Work placement</td><td colspan="2">Not applicable</td></tr>
</table>

Document generated electronically. Does not require a seal or signature.