

GDAŃSK UNIVERSITY

Subject card

Subject name and code	Introduction to Environmental Science, PC, 00060832							
Subject name and code	Introduction to Environmental Science, PG_00060832							
Field of study	Chemical Technology							
Date of commencement of studies	October 2025		Academic year of realisation of subject			2025/2026		
Education level	first-cycle studies		Subject group			Obligatory subject group 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			1.0		
Learning profile	general academic profile		Assessment form			assessment		
Conducting unit	Department of Analytical Chemistry -> Faculty of Chemistry -> Wydziały Politechniki Gdańskiej							ej
Name and surname	Subject supervisor	dr inż. Paweł Kubica						
of lecturer (lecturers)	Teachers							
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	t	Seminar	SUM
	Number of study hours	15.0	0.0	0.0	0.0		0.0	15
	E-learning hours included: 0.0							
Learning activity and number of study hours	Learning activity	Participation in classes includ plan		Participation i consultation h		Self-st	udy	SUM
	Number of study hours	15		1.0		9.0		25
Subject objectives	Students are familiari	zed with the fu	ndamentals ab	out environme	ntal issu	es.		
Learning outcomes	Course out	Subject outcome			Method of verification			
	environmental protection, including sustainable development, green chemistry, modern energy sources and the principles of minimizing the impact		The student knows the issues related to the impact of technological processes on the environment. Students can: - class technological solutions because of their environmental nuisance - to use in practice referred to technological solutions.			[SW1] Assessment of factual knowledge		
	[K6_U05] Is able to make a preliminary economic evaluation of engineering solutions and apply knowledge of the humanities and social sciences to solve problems.		Student is able to recognize dependencies between technological processes and understands its influence on the environment.			[SU2] Assessment of ability to analyse information		
	[K6_K02] is aware of the responsibility for his/her work and is ready to work in a team and share responsibility for common tasks.		Student understands the impact of undertaken technological activities on the environment. In addition, Student can use the principles of professional ethics.			[SK5] Assessment of ability to solve problems that arise in practice		
Subject contents	Basic information about the environment and its components. Classifications sources of emissions to the environment due to: - Sources of emissions: - Nature of human activity - The range of the impact of emission sources. Classification of processes due to: - Degree of impact to the environment - How to eliminate the impact of technological systems on the environment. Basic information on how to waste gas, waste water treatment and utilization of by-products and waste. Presentation of the basic processes and responses, which are subject to contamination at the stage of environmental emissions. Discussion of the basic techniques of environmental protection against pollution (protection of restoration, remediation and prevention technologies, emissions). The importance of the various elements of the environment for technological processes.							
Prerequisites and co-requisites	Knowledge of the fun		hemistry					
Assessment methods	Subject passing criteria		Passing threshold			Percentage of the final grade		
and criteria	final test		60.0%			100.0%		
Recommended reading	Basic literature	Basic literature Not included. The course is in polish.						

	eResources addresses					
teals hairs considered	greenhouse effect and greenhouse g	n, transport routes of chemical and physical pollutants.2. The ses, the potential to create the greenhouse effect.3. Water and water could it be? How to avoid it and what are the sources of pollution rganic contamination in the ground.				
Work placement	Not applicable					

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