

## Subject card

Subject name and code	Chemistry, PG_00042610								
Field of study	Environmental Engineering								
Date of commencement of studies	October 2020		Academic year of realisation of subject			2020/2021			
Education level	first-cycle studies		Subject group			Obligatory subject group in the field of study			
					Subject group related to scientific research in the field of study				
Mode of study	Part-time studies		Mode of delivery			at the university			
Year of study	1		Language of instruction			Polish			
Semester of study	2		ECTS credits			9.0			
Learning profile	general academic profile		Assessment form			exam			
Conducting unit	Department of Environmental Engineering Technology -> Faculty of Civil and Environmental Engineering								
Name and surname	Subject supervisor dr inż. Karolina Fitobór								
of lecturer (lecturers)	Teachers		dr inż. Aleksandra Sokołowska						
			inż. Krystyna Mierzejewska						
		dr inż. Karolina Fitobór							
Lesson types and methods	Lesson type	Lecture	Tutorial	Laboratory	Projec	:t	Seminar	SUM	
of instruction	Number of study hours	30.0	16.0	16.0	0.0		0.0	62	
	E-learning hours included: 0.0								
	Address on the e-learning platform: https://enauczanie.pg.edu.pl/moodle/course/view.php?id=4342								
	Adresy na platformie eNauczanie:  Chemia dla kierunku Inżynieria Środowiska (niestacjonarne) - semestr letni 2020/2021 - Moodle ID: 8445 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=8445								
Learning activity and number of study hours	Learning activity	Participation in classes include plan				Self-study		SUM	
	Number of study hours	62		12.0		152.0		226	
Subject objectives	Revision of the general chemistry and introduction to the chemistry of construction materials and environmental chemistry; knowledge and ability to perform chemical analyses (qualitative and quantitative tests of water and wastewater).								
Learning outcomes	Course outcome Subject outcome			Method of verification					
	[K6_U09] is able to use well- chosen methods and measuring devices that enable determination of basic parameters of the water treatment process and wastewater treatment; can perform simple laboratory tests leading to the assessment of water quality, pollutant load in sewage		Student is able to use properly selected methods and devices, and is able to perform simple laboratory tests.			[SU1] Assessment of task fulfilment [SU4] Assessment of ability to use methods and tools			
			Student has in-depth and well- structured chemistry and biology knowledge, including the knowledge necessary to understand technological processes related to water and wastewater treatment, as well as waste and sludge management.						
	stoichiometry, inorganic chemistry, physical chemistry), as well as the most important issues of chemistry of construction materials and environmental chemistry (with particular emphasis on water and wastewater chemistry).								

Data wydruku: 04.05.2024 04:07 Strona 1 z 2

Prerequisites and co-requisites	Ability to use the knowledge from lectures during laboratory classes.					
Assessment methods	Subject passing criteria	Passing threshold	Percentage of the final grade			
and criteria	Laboratory classes - course completion (tests, reports)	60.0%	40.0%			
	Lectures - tests	60.0%	60.0%			
Recommended reading	Supplementary literature  Resources addresses	PWN, Warszawa 2010.  Laboratory classes:  Prejzner J.: Laboratorium chemii og Politechniki Gdańskiej, Gdańsk 198 (All literature in Polish)  Lectures:  Kowal A.L., Świderska Bróż M.: Od teoretyczne i technologiczne, proce Naukowe PWN, Warszawa 2007.  Laboratory classes:  Prejzner J.: Laboratorium chemii og Politechniki Gdańskiej, Gdańsk 198 Chemia dla kierunku Inżynieria Śroletni 2020/2021 - Moodle ID: 8445	96. ng O.: Chemia w budownictwie. 2000. nganicznej. Wydawnictwo Naukowe gólnej i sanitarnej. Wydawnictwo 91. /oraz pozostałe wydania/ esyszczanie Wody. Podstawy esy i urządzenia. Wydawnictwo 91. /oraz pozostałe wydania/ odowiska (niestacjonarne) - semestr			
Example issues/ example questions/ tasks being completed	https://enauczanie.pg.edu.pl/moodle/course/view.php?id=8445  Determinations and measurements of selected water components.					
Work placement	Not applicable					

Data wydruku: 04.05.2024 04:07 Strona 2 z 2