



Subject card

Subject name and code	, PG_00062477						
Field of study	Environmental Engineering						
Date of commencement of studies	February 2023	Academic year of realisation of subject	2023/2024				
Education level	second-cycle studies	Subject group					
Mode of study	Full-time studies	Mode of delivery	at the university				
Year of study	1	Language of instruction	Polish				
Semester of study	2	ECTS credits	3.0				
Learning profile	general academic profile	Assessment form	assessment				
Conducting unit	Department of Environmental Engineering Technology -> Faculty of Civil and Environmental Engineering						
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. inż. Krzysztof Czerwionka					
	Teachers	dr hab. inż. Krzysztof Czerwionka dr hab. inż. Katarzyna Kolecka dr hab. inż. Rafał Bray dr hab. inż. Tomasz Kolerski dr hab. inż. Beata Jaworska-Szulc dr hab. inż. Eliza Kulbat prof. dr hab. inż. Magdalena Gajewska dr inż. Grażyna Gałęzowska dr hab. inż. Michał Szydłowski dr hab. Katarzyna Jankowska prof. dr hab. inż. Adam Szymkiewicz					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	15.0	0.0	0.0	0.0	45
	E-learning hours included: 0.0						
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	45	0.0	0.0	45		
Subject objectives	The aim of the course is to present students with the topics of currently conducted scientific research in the disciplines of Environmental Engineering, Mining and Energy						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[K7_K02] understands the need to formulate and communicate to the public information and opinions on the achievements in the environmental engineering and other aspects of the engineering activity in the sanitary sector; is aware of the importance and understands non-technical aspects and effects of engineering activities; strives to convey such information and opinions in a universally understandable manner, presenting various points of view	The student has knowledge of methods of transmitting scientific information in a way accepted by the general public	[SK5] Assessment of ability to solve problems that arise in practice [SK4] Assessment of communication skills, including language correctness
	[K7_K01] can think and act in a creative, enterprising way; can determine priorities for individual or group tasks; understands the need for permanent learning and professional responsibility for the activities of both himself and the team	The student is able to propose new directions of research in order to achieve a selected environmental goal	[SK5] Assessment of ability to solve problems that arise in practice [SK3] Assessment of ability to organize work
	[K7_U05] can rely on scientific sources for modern methods and technologies, and propose trends in the development of methods and rules for acquiring, filtering, processing and analyzing data	The student is able to use the results of scientific research to evaluate technologies used in Environmental Engineering	[SU4] Assessment of ability to use methods and tools [SU3] Assessment of ability to use knowledge gained from the subject [SU2] Assessment of ability to analyse information
	[K7_W12] has knowledge of contemporary and useful principles on data acquisition, filtration, processing and analysis	The student has knowledge about currently conducted scientific research and their practical application in the discipline of Environmental Engineering	[SW3] Assessment of knowledge contained in written work and projects [SW2] Assessment of knowledge contained in presentation
Subject contents	The classes will present the results of research currently conducted at the Faculty of Civil and Environmental Engineering in the discipline of Environmental Engineering, Mining and Energy. The presentation presents the assumptions and goals of the research, including its impact on the development of the discipline and the functioning of local communities. The scope of the presentation is adjusted annually to the research projects being implemented		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Preparing a presentation on a selected topic	60.0%	100.0%
Recommended reading	Basic literature	The list of publications and books is adapted to the topic of the presentation and is presented by the lecturers.	
	Supplementary literature	The list of publications and books is adapted to the topic of the presentation and is presented by the lecturers.	
	eResources addresses	Adresy na platformie eNauczenie: Praktyczne aspekty badań naukowych (PG_00062477) - Moodle ID: 34749 https://enauczenie.pg.edu.pl/moodle/course/view.php?id=34749	
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		