



## Subject card

Subject name and code	Practical aspects of scientific research, PG_00062477						
Field of study	Praktyczne aspekty badań naukowych						
Date of commencement of studies	February 2025		Academic year of realisation of subject		2025/2026		
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 -> Wydział Politechniki Gdańskiej						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. inż. Krzysztof Czerwionka				
	Teachers						
Lesson types	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						
	eNauczanie source addresses: Moodle ID: 43941 Praktyczne Aspekty Badań Naukowych II sem, IŚ MSU [stac] -2025/26 - Nowy <a href="https://enauczanie.pg.edu.pl/moodle/course/view.php?id=43941">https://enauczanie.pg.edu.pl/moodle/course/view.php?id=43941</a>						
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] Ocena umiejętności rozwiązywania problemów występujących w praktyce [SK4] Ocena umiejętności komunikacji, w tym poprawności językowej
	[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] Ocena umiejętności rozwiązywania problemów występujących w praktyce [SK3] Ocena umiejętności organizacji pracy
	[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] Ocena umiejętności korzystania z metod i narzędzi [SU3] Ocena umiejętności wykorzystania wiedzy uzyskanej w ramach przedmiotu [SU2] Ocena umiejętności analizy informacji
	[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] Ocena wiedzy zawartej w opracowaniu tekstowym i projektowym [SW2] Ocena wiedzy zawartej w prezentacji
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		
Example issues/ example questions/ tasks being completed			
Practical activities within the subject	Not applicable		

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