GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Diploma/Final Dissertation, PG_00048042						
Field of study	Environmental Engineering						
Date of commencement of studies	October 2021		Academic year of realisation of subject	2024/2025			
Education level	first-cycle studies		Subject group				
Mode of study	Part-time studies		Mode of delivery	at the university			
Year of study	4		Language of instruction	Polish			
Semester of study	8		ECTS credits	15.0			
Learning profile	general academic profile		Assessment form	assessment			
Conducting unit	Department Of Environmental Engineering Technology -> Faculty Of Civil And Environmental Engineering -> Wydziały Politechniki Gdańskiej						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Małgorzata Szopińska				
	Teachers						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	0.0	0.0	0
	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	0		20.0		355.0	375
Subject objectives	The aim of the course is to prepare the student for the independent completion of a thesis, based on the analysis of theoretical and/or practical issues in the field of environmental engineering. During the course, the student develops research and analytical skills, deepens their specialized knowledge, and improves competencies in scientific writing, presenting research results, and defending their own conclusions. The final outcome is the development and submission of a master's thesis, which serves as evidence of the acquired knowledge and the ability to apply it in solving complex engineering and environmental problems.						

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_U01] has the ability to self-education, can obtain information from literature, databases and other sources, uses information technology, Internet resources; can integrate the obtained information, make their interpretation, as well as draw conclusions and formulate and justify opinions	The student has the ability to independently acquire information from literature, databases, and other sources, including online resources, using modern information technologies. They are capable of integrating obtained information, critically interpreting it, drawing conclusions, and formulating well-supported opinions based on the gathered data and information.	[SU4] Assessment of ability to use methods and tools [SU5] Assessment of ability to present the results of task [SU3] Assessment of ability to use knowledge gained from the subject
[K6_U16] can, when formulating and solving engineering tasks in environmental engineering, evaluate, select and apply appropriate methods and tools, recognize their non-technical aspects, including environmental, economic and legal aspects	The student is able to assess, select, and apply appropriate methods and tools when formulating and solving engineering tasks in the field of environmental engineering. They are capable of recognizing non-technical aspects of these tasks, including environmental, economic, and legal considerations, and integrating them into decision-making processes.	[SU1] Assessment of task fulfilment [SU2] Assessment of ability to analyse information
[K6_W18] has a structured and in-depth knowledge of environmental engineering as part of the diploma profiles offered	The student possesses advanced and structured knowledge in the field of environmental engineering, encompassing both theoretical and practical aspects necessary to solve engineering problems in various areas of environmental protection. They are able to apply this knowledge within the chosen specialization, adapting appropriate methods, tools, and technologies to specific environmental issues.	[SW3] Assessment of knowledge contained in written work and projects

Subject contents

The course "Thesis" is a key element of the program in Environmental Engineering. The goal of the course is to enable students to independently conduct scientific research, design engineering solutions, and develop a thesis in the field of environmental engineering. The Master's thesis aims to enhance students' research, analytical, and design skills, as well as improve their abilities in scientific writing and presenting research findings.

Prerequisites and co-requisites

Knowledge of research methods and analytical tools: The student should possess basic knowledge of data analysis methods and tools used in environmental engineering (e.g., statistical analysis software, environmental modeling tools).

Completion of previous academic stages, including projects and internships: Active participation in prior stages of the program, including research projects, internships, or seminars, is required.

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
thesis	60.0%	100.0%

Recommended reading

Basic literature	In line with the thesis topic
Supplementary literature	In line with the thesis topic
eResources addresses	Adresy na platformie eNauczanie:

Example issues/ example questions/ tasks being completed	**Writing the Thesis:** • What structural elements should a well-written master's thesis in the field of environmental engineering include? • What are the rules for citing sources in a master's thesis according to current academic standards? **Defending the Thesis:** • What questions might be asked during the defense of the master's thesis to assess the student's understanding of the research conducted and its results? • What are the key elements of an effective presentation of the master's thesis results to the committee?
Work placement	Not applicable

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