



Subject card

Subject name and code	Thesis Seminar, PG_00046030						
Field of study	Environmental Engineering						
Date of commencement of studies	October 2024	Academic year of realisation of subject			2025/2026		
Education level	second-cycle studies	Subject group			Optional subject group Subject group related to scientific research in the field of study		
Mode of study	Full-time studies	Mode of delivery			at the university		
Year of study	2	Language of instruction			English		
Semester of study	3	ECTS credits			2.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Department of Sanitary Engineering -> Faculty of Civil and Environmental Engineering						
Name and surname of lecturer (lecturers)	Subject supervisor	prof. dr hab. inż. Jacek Małkinia					
	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	30.0	30
	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	30		5.0		15.0	50
Subject objectives	Student is acquainted with the up-to-date environmental engineering problems and understands the importance of adequate presentation of these problems and social communication. Student can collect information on the selected topic of environmental engineering, presents in the form of Power Point presentation, discusses the problem and answers to the questions related to the topic.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[K7_U02] can work individually and in a team; can assess time to execute a task; can manage a small team in a way that ensures that the task is performed within the deadline	The student analyses the topic of the diploma thesis, selects and applies relevant computational methods and related software to solve the task, analyses technical and scientific literature references to the thesis topic, synthesizes the literature background knowledge, draws conclusions, prepares a written document. The student is ready to present the analysis and its results in the delivery form of a delivery, takes part in the subsequent discussion.	[SU4] Assessment of ability to use methods and tools [SU1] Assessment of task fulfilment [SU5] Assessment of ability to present the results of task
	[K7_U04] is able to prepare and present a presentation on the implementation of a design or research task and to conduct a discussion on the presentation	The student analyses the topic of the diploma thesis, selects and applies relevant computational methods and related software to solve the task, analyses technical and scientific literature references to the thesis topic, synthesizes the literature background knowledge, draws conclusions, prepares a written document. The student is ready to present the analysis and its results in the delivery form of a delivery, takes part in the subsequent discussion.	[SU5] Assessment of ability to present the results of task
	[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 analyses the topic of the diploma thesis, selects and applies relevant computational methods and related software to solve the task, analyses technical and scientific literature references to the thesis topic, synthesizes the literature background knowledge, draws conclusions, prepares a written document. The student is ready to present the analysis and its results in the delivery form of a delivery, takes part in the subsequent discussion.	[SK4] Assessment of communication skills, including language correctness
	[K7_W08] has knowledge necessary to understand the social, economic, legal and other non-technical determinants of engineering activities and their incorporation in engineering practice	The student analyses the topic of the diploma thesis, selects and applies relevant computational methods and related software to solve the task, analyses technical and scientific literature references to the thesis topic, synthesizes the literature background knowledge, draws conclusions, prepares a written document. The student is ready to present the analysis and its results in the delivery form of a delivery, takes part in the subsequent discussion.	[SW2] Assessment of knowledge contained in presentation [SW1] Assessment of factual knowledge
	[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 analyses the topic of the diploma thesis, selects and applies relevant computational methods and related software to solve the task, analyses technical and scientific literature references to the thesis topic, synthesizes the literature background knowledge, draws conclusions, prepares a written document. The student is ready to present the analysis and its results in the delivery form of a delivery, takes part in the subsequent discussion.	[SK2] Assessment of progress of work
Subject contents	Definition of the up-to-date problems of environmental engineering. Literature data analysis on a selected topic and presentation of the topic. Leading of discussion, formulation of questions, critical analysis of oral presentation.		
Prerequisites and co-requisites	Having knowledge in core subjects and specialization.		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	student's activity	20.0%	10.0%
	oral presentation evaluation	100.0%	90.0%

Recommended reading	Basic literature	Literature, scientific papers, www pages
	Supplementary literature	No recommendation.
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	