



Subject card

Subject name and code	Master thesis, PG_00059965						
Field of study	Environmental Engineering						
Date of commencement of studies	February 2024		Academic year of realisation of subject		2024/2025		
Education level	second-cycle studies		Subject group				
Mode of study	Full-time studies		Mode of delivery		at the university		
Year of study	2		Language of instruction		Polish		
Semester of study	3		ECTS credits		18.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Department Of Sanitary Engineering -> Faculty Of Civil And Environmental Engineering -> Wydział Politechniki Gdańskiej						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. inż. Ewa Zaborowska				
	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		30.0		420.0	450
Subject objectives	Based on the knowledge of studies and work during the diploma semester, the student solves the problem formulated in the subject of the master diploma thesis. The student presents the prepared diploma thesis.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K7_W10] has knowledge of the protection and management of intellectual, industrial and copyright resources		Student can find and properly use sources of information relating to the problem area of the diploma thesis		[SW3] Assessment of knowledge contained in written work and projects		
	K7_U09		The student demonstrates the ability to critically assess their own knowledge base, recognize areas requiring improvement, and develop effective strategies for ongoing autonomous learning.		[SU4] Assessment of ability to use methods and tools		
	[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		he student demonstrates the ability to retrieve knowledge from contemporary sources, including artificial intelligence tools. Furthermore, they possess competencies in analyzing, filtering, and processing information.		[SU2] Assessment of ability to analyse information		
	[K7_W12] has knowledge of contemporary and useful principles on data acquisition, filtration, processing and analysis		Student is able to search for, analyze, and filter data and materials necessary for completing a scientific task.		[SW3] Assessment of knowledge contained in written work and projects		
	[K7_U01] can obtain information from literature, databases and other sources; can integrate the obtained information, interpret and critically evaluate them, draw conclusions, and formulate and comprehesively justify the opinions		Student can find and properly use sources of information relating to the problem area of the diploma thesis		[SU1] Assessment of task fulfilment		

Subject contents	Formal requirements for obtaining a university diploma, organization of own research, requirements for diploma theses, their defense and diploma examinations. Writing diploma theses: preparation of diploma theses, publication components, preparation of the status of an issue in specialist literature related to the subject of the work, writing technique, editorial preparation of publications. Preparation of multimedia presentations.		
Prerequisites and co-requisites	The student should have in-depth knowledge of sanitary installations, including design principles, installation materials available on the market and legal regulations in the discussed scope, elements of energy and/or economic assessment, supporting software, basics of research work (respectively to the topic of the thesis).		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Review of the thesis	60.0%	100.0%
Recommended reading	Basic literature	Sources of literature related to the topic of the master's thesis, to be identified by the student as part of preparing the literature review.	
	Supplementary literature	Sources of literature related to the topic of the master's thesis, to be identified by the student as part of preparing the literature review.	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed	<ul style="list-style-type: none">- review of current legal acts, standards and literature in the field of work,- critical evaluation of literature sources,- preparation of technical documentation containing technical description, calculations and drawings,- analysis of solutions based on calculations and comparisons,- development and discussion of research results,		
Work placement	Not applicable		

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