



Subject card

Subject name and code	Diploma seminar, PG_00043659						
Field of study	Environmental Engineering						
Date of commencement of studies	October 2020		Academic year of realisation of subject		2023/2024		
Education level	first-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	4		Language of instruction		Polish		
Semester of study	7		ECTS credits		4.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Department of Geotechnical and Hydraulic Engineering -> Faculty of Civil and Environmental Engineering						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. inż. Katarzyna Weinerowska-Bords				
	Teachers		dr hab. inż. Katarzyna Weinerowska-Bords				
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	45.0	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		5.0		50.0	100
Subject objectives	Preparation for the diploma examination - revision of the material from the perspective of the entire study (looking for relationships, contexts and applications). Deepening the selected topic. Preparation for writing a thesis. Presentation of own diploma theses.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[K6_K02] understands the need to formulate and communicate to the public information and opinions on the achievements of environmental engineering and other aspects of the sanitary industry engineer's activity; is aware of the importance and understands the non-technical aspects and effects of engineering activities; makes efforts to provide such information and opinions in a widely understandable way, presenting different points of view	Preparation and presentation of the diploma thesis.	[SK5] Assessment of ability to solve problems that arise in practice [SK4] Assessment of communication skills, including language correctness
	[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	Preparation and presentation of the diploma thesis.	[SU5] Assessment of ability to present the results of task [SU3] Assessment of ability to use knowledge gained from the subject [SU2] Assessment of ability to analyse information
	[K6_K01] can think and act in a creative and enterprising way; can set priorities for the implementation of an individual or group task; understands the need for continuous training and professional responsibility for their activities and team	Preparation and presentation of the diploma thesis.	[SK2] Assessment of progress of work [SK5] Assessment of ability to solve problems that arise in practice [SK3] Assessment of ability to organize work
	[K6_U03] can prepare documentation regarding the implementation of an engineering task/project and prepare a text or presentation including a discussion of the results of the implementation	Preparation and presentation of the diploma thesis.	[SU5] Assessment of ability to present the results of task [SU1] Assessment of task fulfilment
	[K6_W18] has a structured and in-depth knowledge of environmental engineering as part of the diploma profiles offered	Preparation and presentation of the diploma thesis. Ability to answer exam questions. The ability to undertake discussions on topics related to the scope of studies.	[SW2] Assessment of knowledge contained in presentation [SW1] Assessment of factual knowledge
Subject contents	<p>General rules for the preparation of the diploma thesis. Motivation, proactivity, goal setting, time management. Critical analysis of information. Methods of documentation of bibliographic sources.</p> <p>Repetition of the material from hydraulics (e.g. flow categories, hydraulic bases of flows under pressure, in open channels and filtration flows, holes and overflows), hydrology (e.g. basic processes of water circulation, factors conditioning surface runoff, precipitation formation, controlled and uncontrolled catchments, determination of drainage from catchments), water management (e.g. floods and droughts). Relationships of basic subjects with specialist subjects. The role of hydrology and hydraulics in environmental engineering. Searching for relationships, contexts and applications.</p>		
Prerequisites and co-requisites	Credited classes from previous semesters		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Active participation in classes	80.0%	70.0%
	preparation and delivery of a presentation	60.0%	30.0%
Recommended reading	Basic literature	Books, articles and studies published in magazines and conference materials related to the topic of the diploma thesis.	
	Supplementary literature	Textbooks and scripts for subjects carried out during studies	
	eResources addresses	Adresy na platformie eNauczanie:	

Example issues/ example questions/ tasks being completed	Analysis of factors influencing the flow resistance. Evaluation of the estimation of the amount of sewage discharged to the treatment plant. Review of basic information on flow classification
Work placement	Not applicable