

1.	Field of study	Environmental Hazard Engineering
2.	Faculty	Faculty of Natural Sciences
3.	Academic year of entry	2023/2024 (winter term), 2024/2025 (winter term)
4.	Level of qualifications/degree	first-cycle studies (in engineering)
5.	Degree profile	general academic
6.	Mode of study	full-time

7.	General information about the module	
Module name		Basics of Land Reclamation and Drainage Systems
Module code		W2-IZ-S1-022
Number of the ECTS credits		1
Language of instruction		Polish
Purpose and description of the content of education		The aim of the lecture is to familiarize with the basic knowledge of drainage construction, including: the principles of regulating water relations in drained areas, the causes of faulty water relations in the ground, the principles of designing small water reservoirs, drainage ditches and their reinforcements, as well as the basic division and scope of applications of typical water structures - melioration. Drainage systems will also be presented.
List of modules that must be completed before starting this module (if necessary)		not applicable

8.	Learning outcomes of the module			
Code	Description	Learning outcomes of the programme	Level of competenc (scale 1-5)	
U01	he can correctly interpret and present how human activity affects the environment, including water conditions in the soil, and justify the choice of the method of their regulation	U02	4	
W01	he has general knowledge in the field of water drainage and water engineering in connection with construction and environmental engineering. He knows the causes of unfavorable water-air relations in the soil.	U13 W02	3 4	
W02	he knows the causes of changes in the soil environment caused by human activity, forcing the regulation of water and air relations. Has knowledge of the impact of hydrotechnical facilities on the environment	U01 W08	4 3	

9.	Methods of conducting classes		
Code	Category	Name (description)	
a01	Lecture methods / expository methods	Formal lecture/ course-related lecture <i>a systematic course of study involving a synthetic presentation of an academic discipline; its implementation assumes a passive reception of the information provided</i>	

10. Forms of teaching					
Code	Name	Number of hours	Assessment of the learning outcomes of the module	Learning outcomes of the module	Methods of conducting classes
W2-IZ-S1-022	lecture	15	exam	U01, W01, W02	a01

11. The student's work, apart from participation in classes, includes in particular:			
Code	Category	Name (description)	Is it part of the BUNA?
a01	Preparation for classes	Search for materials and review activities necessary for class participation <i>reviewing literature, documentation, tools and materials as well as the specifics of the syllabus and the range of activities indicated in it as required for full participation in classes</i>	Yes

Information on the details of the module implementation in a given academic year can be found in the syllabus available in the USOS system: <https://usosweb.us.edu.pl>.