

1.	Field of study	Environmental Hazard Engineering
2.	Faculty	Faculty of Natural Sciences
3.	Academic year of entry	2025/2026 (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		Optional module with elective courses for seminar path II
Module code		W2-IZ-S1-020
Number of the ECTS credits		5
Language of instruction		Polish
Purpose and description of the content of education		The module introduces the student to specific methods of forecasting geohazards and reconstructing phenomena that may be the cause of geohazards. The student is introduced to the principles of selecting methods for the study of local natural phenomena and examples of their application, including non-standard methods developed for local threats. The module provides the student with the opportunity to learn the specifics of geomorphological and geological processes, the effects of which can be potentially dangerous to human health and life, as well as to the economy. The module allows the student to understand the specificity and complexity of the causes of catastrophic phenomena with consideration of local and temporal conditions using examples from Poland, Europe and the world. As part of the module, the student pursues elective courses.
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)	
W01	has knowledge of the basic problems of geohazards and knows the relationship of the sciences covering geohazards with other natural sciences	W01	5	
W02	has knowledge of the basic conceptual categories and terminology of geohazards and has knowledge of the development of geohazard sciences and the research methods used in them	W01 W02	5 3	
W03	understands the relationship between the achievements of sciences involving geohazards and the possibilities of their use in socio-economic life, taking into account the postulate of sustainable development	W05	5	
W04	can apply appropriate methods and tools, including electronic sources, and has the ability to make correct inferences based on data from various sources	W03	5	

9.	Methods of conducting classes		
	Code	Category	Name (description)
	a02	Lecture methods / expository methods	Monographic lecture

		<i>an exhaustive discussion of one issue, usually related to the research interests of the person teaching the course or a thorough presentation of one selected issue</i>
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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-S1-020_fs_1	lecture	90	course work	W01, W02, W03, W04	a02

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
a02	Preparation for classes	Literature reading / analysis of source materials <i>reading the literature indicated in the syllabus; reviewing, organizing, analyzing and selecting source materials to be used in class</i>	Yes
c02	Preparation for verification of learning outcomes	Studying the literature used in and the materials produced in class <i>exploring the studied content, inquiring, considering, assimilating, interpreting it, or organizing knowledge obtained from the literature, documentation, instructions, scenarios, etc., used in class as well as from the notes or other materials/artifacts made in class</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>.