

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		Geohazards - Introduction
Module code		W2-IZ-S1-156
Number of the ECTS credits		3
Language of instruction		Polish
Purpose and description of the content of education		Introduction to climatic and meteorological geohazards. Basic concepts. An overview of last year's threats. Basic characteristics of the causes, course and effects of selected climatic and meteorological geohazards. Basic geomorphological threats. Analysis of ways to identify geomorphological hazards. Early warning systems against geomorphological threats.
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	applies basic research techniques and tools in geosciences and basic statistical methods, algorithms and computer techniques to describe phenomena and analyse data	U03	4	
U02	is able to properly select the available sources of information in the field of geohazards. He can also critically select information available in various databases	U02	4	
W01	understands basic natural phenomena and processes with a focus on geohazards	W02	3	
W02	has knowledge of the basic problems, conceptual categories and terminology of geohazards and knows the interrelationship of geohazard science with other natural sciences.	W04	4	
W03	has knowledge of the history of the development of geosciences and the research methods used in them	W05	4	

9.	Methods of conducting classes		
	Code	Category	Name (description)
b01		Problem-solving methods	Problem-based lecture <i>an analysis of a selected scientific or practical problem accompanied by its assessment and an attempt to provide a solution to the issues presented in the lecture as well as the indication of the consequences of the proposed solution</i>
b07		Problem-solving methods	Activating methods: a case study

		<i>a comprehensive description of a phenomenon connected with the selected discipline; reflecting the reality, presenting the 'what', 'where' and 'how' of the phenomenon, i.e., all of its key aspects to be discussed in class; used as a reproduction, presentation, discussion or diagnosis of factors that shape the phenomenon or interact with it; an in-depth qualitative analysis and evaluation of a selected phenomenon</i>
c06	Demonstration methods	<b>Demonstration-imitation</b> <i>a presentation of a model way of performing specific activities accompanied by a commentary; it aims at triggering imitation activities in an individual or in a group of participants observing the activities of the person teaching the course until the right habit is formed through regular exercise; the demonstration-imitation method is combined with a physical practice of activities/behaviours</i>
c07	Demonstration methods	<b>Screen presentation</b> <i>a presentation of synthetic image content using computer graphics, e.g., a series of slides or other multimedia forms, usually accompanied by a commentary; typical components of a screen presentation include text organized into bulleted points, charts, images and animations, sometimes sound effects or music; a multimedia illustration of course content presented in the form of a projected image</i>

<b>10. Forms of teaching</b>					
<b>Code</b>	<b>Name</b>	<b>Number of hours</b>	<b>Assessment of the learning outcomes of the module</b>	<b>Learning outcomes of the module</b>	<b>Methods of conducting classes</b>
W2-IZ-S1-156_fs_1	lecture	15	course work	U02, W01, W02, W03	b01, c07
W2-IZ-S1-156_fs_2	laboratory classes	15	course work	U01, U02	b07, c06

<b>11. The student's work, apart from participation in classes, includes in particular:</b>				
<b>Code</b>	<b>Category</b>	<b>Name (description)</b>		<b>Is it part of the BUNA?</b>
a03	Preparation for classes	<b>Developing practical skills</b> <i>activities involving the repetition, refinement and consolidation of practical skills, including those developed during previous classes or new skills necessary for the implementation of subsequent elements of the curriculum (as preparation for class participation)</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>.