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	**Geomorphological Hazards**
Module code	W2-IZ-S1-203
Number of the ECTS credits	3
Language of instruction	Polish
Purpose and description of the content of education	During the classes, the student learns about the environmental hazards associated with the occurrence of geomorphological processes. During the classes, the risks associated with landslides, debris flows, material falling off rock walls, ground collapse, fluvial erosion, ravine erosion and river bank erosion are discussed. Causes and effects related to the occurrence of particular geomorphological processes are analysed. The classes also discuss methods of prevention and early response in connection with the occurrence of geomorphological processes.
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)
U04	applies research methods and tools in the field of geohazards. Self-determination conducts observations and selects appropriate sources for geohazard analysis	U04	3
W01	has knowledge of the basic problems, conceptual categories and terminology of geomorphological hazards. Knows the history of development and interrelationships of sciences covering geomorphological hazards with other natural sciences	W01	4
W02	has knowledge of research methods used in geomorphological hazard science	W03	4
W03	be able to use available sources of information on geomorphological hazards, including electronic sources, and have the ability to make correct inferences based on data from a variety of sources	W08	2

9. Methods of conducting classes

Code	Category	Name (description)
b01	Problem-solving methods	Problem-based lecture *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*
b07	Problem-solving methods	Activating methods: a case study *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
c07	Demonstration methods	Screen presentation *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*
d01	Programmed learning methods	Working with a computer *e.g., Webquest; implementation of educational tasks using electronic and digital devices, computer programs and Internet applications; the academic teacher acts as a consultant; students' work is carried out step by step according to the plan laid own by the person teaching the course and following his instructions, and proceeds towards producing the indicated results within the set deadline*
e07	Practical methods	Simulation *an indirect method; imitating reality in order to gain experience approximating a real one; recreating a real-world situation so that its participant can acquire an experience close to the authentic one; work on "replacement" material*

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-S1-203_fs_1	lecture	15	course work	U04, W01, W02, W03	b01, c07
W2-IZ-S1-203_fs_2	laboratory classes	15	course work	U04, W01	b07, d01, e07

11. The student's work, apart from participation in classes, includes in particular:

Code	Category	Name (description)	Is it part of the BUNA?
a03	Preparation for classes	Developing practical skills *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)*	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.