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	**Statistical methods in geohazard analysis**
Module code	W2-IZ-S1-302
Number of the ECTS credits	1
Language of instruction	Polish
Purpose and description of the content of education	As part of the module, the student will learn statistical analysis methods (including the use of modern computer software) for dealing with geohazards issues
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	be able - when solving engineering tasks - to plan and carry out statistical calculations (including using computer software), interpret the results obtained and draw conclusions about geohazards	U01	4
U03	is able - when formulating and solving engineering tasks in the field of geohazards - to perceive their systemic and non-technical aspects	U10	5
U04	can - when solving practical tasks in environmental engineering directed at geohazards - use appropriate standards, norms and technologies	U09	4

9. Methods of conducting classes

Code	Category	Name (description)
e01	Practical methods	Laboratory exercise / experiment *[also conducted as fieldwork] a method of practical application of knowledge; implemented in three stages: the recognition of a problem induced by the task content, the formulation of the problem and the attempt to solve it accompanied by the assessment of the effects; the goal is to acquire skills, abilities and habits, and to consolidate the acquired knowledge so that it becomes operational; the laboratory method assumes greater independence of learners than carrying out an experiment*

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-S1-302_fs_1	laboratory classes	15	course work	U01, U02, U03, U04	e01

11.	The student's work, apart from participation in classes, includes in particular:		
Code	**Category**	**Name (description)**	**Is it part of the BUNA?**
a02	Preparation for classes	Literature reading / analysis of source materials *reading the literature indicated in the syllabus; reviewing, organizing, analyzing and selecting source materials to be used in class*	Yes
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
b01	Consulting the curriculum and the organization of classes	Getting acquainted with the syllabus content *reading through the syllabus and getting acquainted with its content*	No

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.