

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 I
Module code	W2-IZ-S1-017
Number of the ECTS credits	4
Language of instruction	Polish
Purpose and description of the content of education	The module allows the student to understand the phenomena and processes causing the evolution of the natural world and their location in geological time, and points out the tools for dating natural phenomena taking place in the past. It indicates the importance of the interrelationships between them and places in geological time the key points of the evolution of the natural world. The knowledge gained will allow the student to gain an overall view of the Earth as a system undergoing change and the components of this change, not in isolation from the other natural components, but as one interpenetrating and mutually stimulating phenomenon.
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	ma wiedzę w zakresie podstawowych problemów dotyczących geozagrożeń oraz zna powiązania nauk obejmujących problematykę geozagrożeń z innymi naukami przyrodniczych	W01	5
W02	in interpreting geohazard phenomena and processes, he relies on empirical foundations, fully understanding the importance of mathematical and statistical methods	W05	5
W03	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 W03	5 4
W04	he is able to use available sources of information on geohazards, including electronic sources, and has the ability to make correct inferences based on data from various sources	W01 W02	3 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>

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-S1-017_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>.