

1.	Field of study	Geology
2.	Faculty	Faculty of Natural Sciences
3.	Academic year of entry	2025/2026 (winter term)
4.	Level of qualifications/degree	first-cycle studies
5.	Degree profile	general academic
6.	Mode of study	full-time

7.	General information about the module	
Module name		Geomorphology
Module code		W2-GE-S1-039
Number of the ECTS credits		2
Language of instruction		Polish
Purpose and description of the content of education		Celem modułu „Geomorfologia” jest poznanie głównych form rzeźby terenu oraz ich genezy i podstawowych procesów, które je ukształtowały. Treści programowe obejmują morfogenetyczną działalność sił zewnętrznych w obrębie kontynentów, głównie rzeźbę fluwialną i fluwialno-denudacyjną, morfogenetyczną działalność czynników denudacyjnych (procesy stokowe), rzeźbę eoliczną. Po osiągnięciu efektów kształcenia modułu student potrafi samodzielnie rozpoznawać i charakteryzować wybrane formy rzeźby terenu. Rozumie również ich związek z procesami geologicznymi i cechami budowy geologicznej, zwłaszcza z litologią i tektoniką. Potrafi zrekonstruować różne środowiska (np. fluwialne) i przeprowadzić ich analizę na podstawie różnorodnych materiałów źródłowych (mapy, bazy danych, przekroje geologiczne, cyfrowe modele terenu, literatura). Zdobywa wiedzę umożliwiającą pogłębienie wyobraźni przestrzennej.
List of modules that must be completed before starting this module (if necessary)		[W2-GE-S1-405] zna instrumenty ochrony środowiska przed oddziaływaniem prac geologicznych i górniczych [W2-GE-S1-406] Dynamic Earth 2 [W2-GE-S1-032] Sedimentology

8.	Learning outcomes of the module			
Code	Description	Learning outcomes of the programme	Level of competenc (scale 1-5)	
W2-GE-S1-039_1	zna podstawowe pojęcia z zakresu geomorfologii i pogłębia wiedzę w zakresie tej problematyki	1GE_U8	2	
		1GE_W1	2	
		1GE_W5	2	
W2-GE-S1-039_2	potrafi sklasyfikować formy geomorfologiczne ze względu na genezę. Rozumie procesy, które doprowadziły do ich powstania.	1GE_U1	3	
		1GE_W1	2	
		1GE_W5	2	
W2-GE-S1-039_3	potrafi sklasyfikować procesy stokowe i ich efekty. Potrafi rozpoznać i scharakteryzować osuwisko. Zna przyczyny powstawania osuwisk. Wie, które obszary w Polsce są szczególnie narażone na powstawanie osuwisk. Zna bazę osuwisk SOPO	1GE_K1	1	
		1GE_K2	2	
		1GE_U1	3	
		1GE_U3	2	
		1GE_U8	3	

		1GE_W5	2
W2-GE-S1-039_4	rozumie zależność między rzeźbą terenu a budową geologiczną (litologia, tektonika)	1GE_U1	3
		1GE_U8	2
W2-GE-S1-039_5	potrafi wykonać analizę rozwoju rzeźby terenu na podstawie przekroju geologicznego	1GE_U1	3
		1GE_U7	2
W2-GE-S1-039_6	wykazuje aktywną postawę do poznawania rzeczy nowych i wykorzystywania ich dla wzbogacania własnej wiedzy; krytycznego i twórczego myślenia oraz otwartości na poglądy innych	1GE_K2	2
		1GE_K4	1
		1GE_K6	1
		1GE_U7	2
		1GE_U8	3

9. Methods of conducting classes		
Code	Category	Name (description)
a01	Lecture methods / expository methods	Formal lecture/ course-related lecture <i>a systematic course of study involving a synthetic presentation of an academic discipline; its implementation assumes a passive reception of the information provided</i>
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>
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>
b04	Problem-solving methods	Activating method – discussion / debate <i>an exchange of views supported by substantive arguments leading to a clash of different views, a compromise or the identification of common positions; it proceeds according to previously agreed-upon rules regarding the time, manner and turn-taking as well as the principles of civil discourse; a discussion is not a competition but aims at finding the best solutions or presenting different points of view; its varieties include brainstorming, Oxford-style debate, panel discussion, decision tree, conference discussion; a debate is an orderly dispute between supporters and opponents of a viewpoint, usually specialists in the field or pre-selected representatives of a group dealing with a common problem</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>
c07	Demonstration methods	Screen presentation <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>
d01	Programmed learning methods	Working with a computer <i>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</i>

		<i>own by the person teaching the course and following his instructions, and proceeds towards producing the indicated results within the set deadline</i>
d03	Programmed learning methods	Working with another teaching tool <i>e.g. using websites in any way or according to the rules set by the teacher; or making use of other subject-specific tools</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-GE-S1-039_L_1	laboratory classes	12	course work	W2-GE-S1-039_2, W2-GE-S1-039_3, W2-GE-S1-039_4, W2-GE-S1-039_5, W2-GE-S1-039_6	b04, b07, c07, d01, d03
W2-GE-S1-039_W_1	lecture	12	course work	W2-GE-S1-039_1, W2-GE-S1-039_2, W2-GE-S1-039_3, W2-GE-S1-039_4	a01, a02, b01

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>	No
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>	No
c03	Preparation for verification of learning outcomes	Implementation of an individual or group assignment necessary for course/phase/ examination completion <i>a set of activities aimed at performing an assigned task, to be executed out of class, as an obligatory phase/element of the verification of the learning outcomes assigned to the course</i>	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>.