

1.	Field of study	Geography
2.	Faculty	Faculty of Natural Sciences
3.	Academic year of entry	2023/2024 (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		Basics of Geochemistry
Module code		W2-GF-S1-112
Number of the ECTS credits		2
Language of instruction		Polish
Purpose and description of the content of education		The aim of laboratory classes in the course the Basics of Geochemistry is for the student to acquire basic skills in the field of work in the laboratory. Ability to choose analytical methods in geochemical research and perform selected analyzes of environmental samples, interpret the results of these analyses, and apply fundamental geochemical knowledge in solving problems in the field of environmental protection.
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)
	K01	he is ready to assess his knowledge critically and realistically assess the effects of his or team members' work and supplies, implements and develops the principles of professional ethics	K01	4
	U01	he can use essential measurement and analytical techniques in individual and teamwork	U01 U04	5 4
	W01	knows the physical, chemical, biological, and geological phenomena occurring in nature and understands their relationships and interrelationships, especially between animate and inanimate nature	W02	4

9.	Methods of conducting classes		
	Code	Category	Name (description)
	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>
	e01	Practical methods	Laboratory exercise / experiment <i>[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</i>

		<i>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</i>
e06	Practical methods	Observation <i>also conducted as fieldwork; a method of watching phenomena, objects or people in a systematic/planned way in order to gain knowledge about them; perceptual separation of elements of a model action as an element of learning through imitation; a complex system of cognition based on sensory experiences</i>
e09	Practical methods	Plein air session <i>implementation of a creative task in an open-air area, e.g. outside the studio</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-GF-S1-112_fs_1	laboratory classes	15	course work	K01, U01, W01	c07, e01, e06, e09

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

Code	Category	Name (description)	Is it part of the BUNA?
b01	Consulting the curriculum and the organization of classes	Getting acquainted with the syllabus content <i>reading through the syllabus and getting acquainted with its content</i>	No
c01	Preparation for verification of learning outcomes	Determining the stages of task implementation contributing to the verification of learning outcomes <i>devising a task implementation strategy embracing the division of content, the range of activities, implementation time and/or the method(s) of obtaining the necessary materials and tools, etc.</i>	Yes
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>.