

1.	Field of study	Biology
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
5.	Degree profile	general academic
6.	Mode of study	full-time

7.	General information about the module	
Module name		Ecology and nature conservation field courses
Module code		1BL_23_28
Number of the ECTS credits		3
Language of instruction		
Purpose and description of the content of education		The Field Classes in Ecology and Nature Conservation module is focused on practical learning about biodiversity at the species, population, and ecosystem level and its conditions. It enables the observation of succession stages of vegetation and natural and semi-natural ecosystems subject to legal protection in the national park. He acquaints with the methods of field research of plant and animal populations and phytocenoses as well as methods of protecting natural habitats, which will make it easier for the student to undertake independent research work. The acquired knowledge and skills will contribute to the understanding of the necessity and methods of biodiversity 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)
1BL_23_28_1	It explains the basic rules and describes the mechanisms of life functioning at the organism, population, phytocoenosis, and ecosystem levels. Recognizes the basic structures, phenomena, and natural processes in the living world. Compares the structure of natural, semi-natural, and anthropogenic ecosystems.	1BL_U10		2
		1BL_U11		2
		1BL_U12		3
		1BL_U13		3
		1BL_W01		3
		1BL_W02		2
		1BL_W04		4
		1BL_W07		3
		1BL_W08		3
		1BL_W09		2
		1BL_W12		3
		1BL_W13		2
1BL_23_28_2	Characterizes the diversity of flora, fauna, and phytocenoses and demonstrates knowledge of the factors shaping it.	1BL_W01		3

	Distinguishes and describes selected types of natural habitats based on phytosociological identifiers.	1BL_W02 1BL_W04 1BL_W07	3 3 4
1BL_23_28_2_7	Recognizes the primary threats to natural habitats and ways to protect them.	1BL_K01 1BL_K02 1BL_K03 1BL_K04 1BL_K05 1BL_U03 1BL_U04 1BL_U07 1BL_U09 1BL_U10 1BL_U11 1BL_U12 1BL_U13 1BL_W01 1BL_W02 1BL_W04 1BL_W07	3 5 3 3 4 3 3 3 3 3 3 3 3 3 3 5 3
1BL_23_28_3	He learns the nomenclature and principles of classifying plant communities and natural habitats.	1BL_W02 1BL_W07	3 4
1BL_23_28_4	He gets acquainted with the nature of the national park and the rules and restrictions applicable in its area.	1BL_W02 1BL_W07 1BL_W10 1BL_W12 1BL_W13	3 3 3 3 2
1BL_23_28_5	He knows the methods of sampling in different environments. Using portable meters, he performs simple measurements of water's physical and chemical properties in the field.	1BL_W01 1BL_W02 1BL_W04 1BL_W08 1BL_W09	2 2 2 1 2
1BL_23_28_6	He acquaints with the methods of field research of plant and animal populations and phytocenoses as well as methods of protecting natural habitats.	1BL_K01 1BL_K02 1BL_K03	4 3 3

		1BL_K04	3
		1BL_K05	3
		1BL_U01	3
		1BL_U02	3
		1BL_U03	3
		1BL_U04	3
		1BL_U05	3
		1BL_U09	4
		1BL_U11	3
		1BL_U12	5
		1BL_U13	3
		1BL_W04	4
		1BL_W08	5
		1BL_W09	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>
a03	Lecture methods / expository methods	Description <i>a description of objects, phenomena, processes or people; it involves specifying the structure and characteristic features of the object, phenomenon, or process being described; it is usually accompanied by a demonstration of the described object or by its models, drawings, tables, charts, etc.; a description may take the form of an explanation, classification, justification or comparison</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>
b02	Problem-solving methods	Lecture-discussion <i>transmission of content involving interaction with the lecture audience; discussion of lecture-related issues is one of its elements or constitutes its follow-up</i>
b03	Problem-solving methods	Activating method – educational games <i>learning content in the guise of a rule- and/or principle-based game; conducted in a deliberately arranged situation based on the description of relevant facts and processes; learners compete with one another within the framework of rules laid down by the academic teacher; varieties include simulation games – involving a simulation of real situations; decision games – based on the decision-making process and the recognition of the consequences of the decisions made (e.g., a decision tree); psychological games – increasing the emotional-volitional component of the participants' attitudes</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,</i>

		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
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
b08	Problem-solving methods	Activating method – peer learning learning through the exchange of knowledge in a group/team/pair of students, i.e., in the so-called learning cell; a kind of mutual learning; an approach focused on student activity under the guidance of the person teaching the course; a learning situation where students with a similar level of experience learn from one another
c01	Demonstration methods	Exhibition preparing an object for public display and displaying it in order to elicit a specific reaction; creating a themed collection of specimens/objects/works to illustrate a specific issue
c02	Demonstration methods	Video show reproducing a film or video material in its entirety or in fragments in order to illustrate the content taught in class, to submit it to analysis and evaluation or to use it as an exercise in image perception; a film/video can be a work of art, an illustration (also technical illustration) of a content/phenomenon/object, a private record of an action, a media image, etc.
c08	Demonstration methods	Value-based methods – affective methods methods of participating in exhibited moral, social, aesthetic and scientific values; activities evoking genuine emotional reactions to works/objects/actions; a method which activates an emotional response to the presented content, intensifies attention, depth of experience and a reflection on values
d02	Programmed learning methods	Working with a programmed textbook working with a textbook containing instructional material covering part of or the entire curriculum of the module as well as a formula for studying the content; includes working with a subject textbook, an atlas, a catalogue, a problem book, etc.
d03	Programmed learning methods	Working with another teaching tool e.g. using websites in any way or according to the rules set by the teacher; or making use of other subject-specific tools
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
e08	Practical methods	Practice-as-research also conducted as fieldwork; an activity aimed at confronting the acquired theory with practice through its practical application; students situate themselves in the reality they observe, study and transform through the prism of the theory; the method of practical classes is dominated by the application of knowledge to solving practical tasks
e09	Practical methods	Plein air session implementation of a creative task in an open-air area, e.g. outside the studio
f01	Methods of self-learning	Self-education a method which involves independent acquisition of knowledge, skills and social competences, extending their scope and quality; complementary to the learning process taking place in class; taking on the task of developing and adjusting qualifications on one's own; self-study
f02	Methods of self-learning	Individual work with a text searching for and acquiring new information using textbooks and other written sources (including their digital versions); searching for texts, selecting fragments for analysis/interpretation, using other texts to solve a problem related to the studied

		issue
f03	Methods of self-learning	Conceptual work <i>a (mainly intellectual) activity carried out independently (or in a selected group) resulting in the creation of a concept, idea or project; creating a plan based on a vision; developing a general outline of a project; producing a simplified sketch of the variant versions of a procedure/product/work</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
1BL_23_18_Z-T	field practice	75	course work	1BL_23_28_1, 1BL_23_28_2, 1BL_23_28_2_7, 1BL_23_28_3, 1BL_23_28_4, 1BL_23_28_5, 1BL_23_28_6	a01, a03, b01, b02, b03, b04, b07, b08, c01, c02, c08, d02, d03, e01, e08, e09, f01, f02, f03

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
a03	Preparation for classes	Developing practical skills <i>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)</i>	Yes
a04	Preparation for classes	Consulting materials complementary to those indicated in the syllabus <i>agreeing on materials complementary to those indicated in the syllabus, supporting the implementation of tasks resulting from or necessary for class participation</i>	Yes
a05	Preparation for classes	Production/preparation of tools, materials or documentation necessary for class participation <i>developing, preparing and assessing the usefulness of tools and materials (e.g. aids, scenarios, research tools, equipment, etc.) to be employed in class or as an aid when preparing for classes</i>	Yes
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>	Yes
b02	Consulting the curriculum and the organization of classes	Verification / adjustment / discussion of syllabus provisions <i>consulting the content of the syllabus, possibly in the presence of the year tutor or members of the class group, and, if necessary, reassessing the provisions concerning special conditions for class participation, e.g., space and time requirements, technical and other requirements, including conditions for participation in classes outside the walls of the university, classes organized in blocks, organized online, etc.</i>	Yes
b03	Consulting the curriculum and the organization of classes	Consulting the schedule <i>getting acquainted with the class schedule, possibly in the presence of the year tutor, in order to optimize participation in classes, including those supplementary to the core subjects listed in the pursued study programme</i>	Yes

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
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
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>	Yes
d01	Consulting the results of the verification of learning outcomes	Analysis of the corrective feedback provided by the academic teacher on the results of the verification of learning outcomes <i>reading through the academic teacher's comments, assessments and opinions on the implementation of the task aimed at checking the level of the achieved learning outcomes</i>	Yes
d03	Consulting the results of the verification of learning outcomes	Review of internship documentation <i>an analysis of the portfolio of documentation obtained during internship, including professional internship, and other practical classes and studio sessions, as well as the documentation developed in order to obtain credit for such classes; verification of the description, necessary attachments, opinions and grades before submitting the portfolio for acceptance</i>	Yes
e01	Activities complementary to the classes	Undertaking, on one's own initiative and individually, activities aimed at expanding the scope or depth of the teaching content, also beyond the walls of the University <i>a set of activities undertaken independently and on the student's own initiative, aimed at expanding the depth and scope of knowledge and skills, their revision and repetition, retention or verification, also activities carried outside the university, e.g., in a culture promoting or educational institution, a laboratory, in the open air, etc.; also self-education</i>	Yes
e02	Activities complementary to the classes	Publication of a work/presentation of an activity, also beyond the walls of the University <i>a set of activities carried out to disseminate (out of class) the effects of scholarly research, artistic, creative, project, construction, experimental work, etc., in the form of a classic presentation, exhibition, concert, projection, poster presentation, media mediated publication, in the digital form and as part of other activities; dissemination using various forms and tools</i>	Yes
e03	Activities complementary to the classes	Participation in non-obligatory teaching, research or organizational grants intensifying the achievement of the assumed learning outcomes <i>research, artistic, social and other activities not indicated in the curriculum, undertaken on the student's own initiative as a way of supplementing, enriching or extending the content and activities indicated in the module curriculum, intensifying the achievement of learning outcomes</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>.