1.	Field of study	Biology
2.	Faculty	Faculty of Natural Sciences
3.	Academic year of entry	2021/2022 (winter term), 2022/2023 (winter term)
4.	Level of qualifications/degree	second-cycle studies
5.	Degree profile	general academic
6.	Mode of study	full-time

Module: Monitoring of species and habitats

Module code: 2BL_40a

1. Number of the ECTS credits: 3

2. Learning outcomes of the module

code	description	learning outcomes of the programme	level of competence (scale 1-5)
2BL_40_1	Student presents the objectives and methods of plants, animals and natural habitats monitoring.	2BL_U01_P 2BL_W01_P 2BL_W03_P	3 3 3
2BL_40_2	Student identifies the natural habitats of the Habitats Directive (Annex I, II) and assesses the conservation status of the selected habitats, presents their threats and proposes methods of their monitoring and protection.	2BL_U01_P 2BL_U02_P 2BL_U03_P 2BL_W01_P 2BL_W03_P	4 4 4 3 4
2BL_40_3	Sudent identifies the plant and animal species included in the Habitats Directive, characterises their habitats, presents threats and proposes methods of their monitoring and protection.	2BL_U01_P 2BL_U02_P 2BL_U03_P 2BL_W01_P 2BL_W04_P	4 4 4 3 4
2BL_40_4	Student is aware of the need for a holistic (multi-dimensional) approach in habitat assessment and prediction of forward-looking threats.	2BL_K02_P 2BL_K03_P 2BL_U01_P	3 4 4
2BL_40_5	Student systematizes the knowledge gained so far, expands it with knowledge available in various sources, interprets the data collected in the field, draws conclusions from the observations, consolidates scientific terminology and uses it to prepare a report.	2BL_K01_P 2BL_K03_P	3 3

		2BL_U01_P 2BL_U02_P 2BL_W03_P 2BL_W05_P	4 4 4 3

3. Module description	
Description	The module enables students to apply in practice the assumptions, objectives and methods of monitoring habitats and related to them plant and animal species included in the Habitats Directive. Students can become acquainted with protected and monitored habitats, assess the importance of knowledge about biology of plant and animal species covered by the Habitats Directive in effective protection and implement detailed monitoring methods. The course will allow students to acquire practical skills in recognizing the monitored habitats, perceiving potential threats and proposing methods of protection using and completing the habitat observation cards on a specific example.
Prerequisites	Passed exams of such modules as Diversity of plants and fungi, Zoology - Protozoa and invertebrates, Zoology.

4. Assessment of the learning outcomes of the module

code	type	description	learning outcomes of the module
2BL_40_w_1	credit for a grade	according to the rules set out in the syllabus	2BL_40_1, 2BL_40_2, 2BL_40_3, 2BL_40_4, 2BL_40_5

5. Forms of teaching

code	form of teaching			required hours of student's own work		assessment of the learning outcomes of the module
	type	description (including teaching methods)	number of hours	description	number of hours	
2BL_40_fs_1	discussion classes	Short introduction to the issues by the teacher, presentation / panel discussion of presentations prepared by students.	15	Working with scientific literature related to a given subject in order to expand knowledge and consolidate with material coming from other parts of the course.	15	2BL_40_w_1
2BL_40_fs_2	laboratory classes	Analysis of standard data forms and habitat observation cards, sample monitoring reports; discussion on the methodology of monitoring. Field activities with the use of equipment used in monitoring of habitats and species.	30	Preparation for fieldwork and discussion/ brain storms on a given topic, working with literature and Internet resources. Preparation of a report/class report including habitat identification and related to them plant and animal species and other natural values of the area, assessment of their condition, identification of current and prospective threats, assessment of protection effectiveness and recommendations.	25	2BL_40_w_1