1.	**Field of study**	**Biology**
2.	Faculty	Faculty of Natural Sciences
3.	Academic year of entry	2020/2021 (winter term)
4.	Level of qualifications/degree	first-cycle studies
5.	Degree profile	general academic
6.	Mode of study	full-time

Module: Remediation of degraded lands

Module code: 1BL_62a

1. Number of the ECTS credits: 2

2. Learning outcomes of the module

code	description	learning outcomes of the programme	level of competence (scale 1-5)
1BL_62_1	Lists the causes and effects of environmental degradation and ways of classifying degraded areas, describes the natural phenomena occurring in these areas.	1BL_W02_P 1BL_W03_P	3 3
1BL_62_2	Characterizes abiotic and biotic factors affecting colonization and diversity of flora and fauna.	1BL_W02_P 1BL_W03_P 1BL_W04_P	4 3 3
1BL_62_3	Lists the methods of reclamation and development directions for degraded areas.	1BL_U02_P 1BL_W01_P 1BL_W06_P	4 3 3
1BL_62_4	Knows the legal conditions related to reclamation.	1BL_W09_P	3
1BL_62_5	Based on the latest literature, he discusses the criteria for choosing the right reclamation method and explains the benefits and limitations associated with the use of the proposed method, he is ready to deepen knowledge in the field of degraded land reclamation.	1BL_K02_P 1BL_K03_P 1BL_U05_P	3 4 3
1BL_62_6	Solves basic research problems individually and in a team.	1BL_K01_P 1BL_K03_P 1BL_U04_P 1BL_U06_P	4 3 4 3

3. Module description	
Description	The scope of the subject includes current knowledge about the causes, effects of degradation of various elements of the environment, the classification of degraded and devastated areas as well as various methods of reclamation and management of anthropogenically transformed areas, natural processes occurring in post-industrial areas, as well as the possibility of shaping and creating habitats in degraded areas using relevant plant and animal species. Knowledge of the basic methods of reclamation and revitalization of degraded areas corresponds to the basic principles of Polish law and the implemented European Union law. It points to the latest theoretical and practical achievements in reclamation of degraded areas and discusses contemporary research programs and prospects for further research.
Prerequisites	Basic knowledge of plant and animal diversity, ecology.

4. Assessment of the learning outcomes of the module

code	type	description	learning outcomes of the module
1BL_62_w_1	credit	according to the rules set out in the syllabus	1BL_62_1, 1BL_62_2, 1BL_62_3, 1BL_62_4, 1BL_62_5, 1BL_62_6

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	
1BL_62_fs_1	lecture	Lecture using audiovisual means.	8	Work with manuals and other materials to be indicated by the teacher to supplement the content of the lecture signaled.	5	1BL_62_w_1
1BL_62_fs_2	discussion classes	Multimedia presentation of the project, elements of reporting, discussion.	9	Work with materials indicated by the teacher - preparation for the test. Preparation for the seminar. Preparing the project.	5	1BL_62_w_1
1BL_62_fs_3	field practice	Fieldwork (the student learns degraded areas of different genesis and properties, methods and effects of remediation, biodiversity of plants and animals of degraded areas).	13	Preparing an essay on a given topic and confronting with the actual state in the field.	10	1BL_62_w_1