University of Gdańsk

Subject card

Subject name and code	Knowledge of the habitat, PG_00198142		
Field of study	Natural Resources Conservation		
Date of commencement of studies	October 2026	Academic year of realisation of subject	2028/2029
Education level	Bachelor's studies	Subject group	Obligatory subject group in the field of study Optional subject group Subject group related to scientific research in the field of study
Mode of study	full-time studies	Mode of delivery	at the university
Year of study	3	Language of instruction	Polish
Semester of study	6	ECTS credits	2.0
Learning profile	academic	Assessment form	credit
Conducting unit	Laboratory of Plant Interactions -> Department of Plant Taxonomy and Nature Conservation -> Faculty of Biology -> Rector		
Name and surname of lecturer (lecturers)	Subject supervisor	dr Julita Minasiewicz	
	Teachers		

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	0.0	0.0	15.0	0.0	0.0	15

E-learning hours included: 0.0

Learning activity and number of study hours

Learning activity	Participation in didactic classes included in study plan	Participation in consultation hours	Self-study	SUM
Number of study hours	15	3.0	32.0	50

Subject objectives

1. to learn about the formation and functioning of terrestrial habitats (biotopes), their transformations, spatial differentiation and relationships with different types of biocenoses.
2. Practical learning of field methods of studying soils (habitats) and their identification in the field.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[OZPL3_W13] The graduate has an advanced understanding of the rules, methods, and techniques of environmental research and their potential applications in nature conservation	Has knowledge of habitat science, concerning procedures and methods of soil testing	[SW3] text preparation/written work
[OZPL3_U04] The graduate is able to plan and carry out simple research tasks in the biological sciences under the guidance of a supervisor	knows how to make and correctly describe the constituent elements of a soil profile of the soil	[SU8] observation of student's independent or team work
[OZPL3_U01] The graduate is able to use basic apparatus and research tools and maintains the correct sequence of operations in laboratory and field work	selects and applies procedures and research techniques and tools used in habitat science	[SU6] demonstration of practical skills
[OZPL3_W06] The graduate has an advanced understanding of the names and types of natural environments, including their structural and functional characteristics	Knows the systematics, characteristics of different types and genera - understands the processes of formation and differentiation of terrestrial biotopes and their functioning in ecosystems	[SW3] text preparation/written work
[OZPL3_U06] The graduate is able to make observations and perform basic physical, biological and chemical measurements in the field or laboratory	conducts field observations of abiotic features of forest and non-forest habitats and performs and determines the basic parameters characteristics of the habitat	[SU3] text preparation/written work
[OZPL3_K07] The graduate is prepared to demonstrate responsibility for the equipment/ materials entrusted and respects the work of others	Is responsible for the equipment/ materials entrusted to him and his own work, and respects the the work of others	[SK8] observation of student's independent or team work

Subject contents

Field methods of soil testing. Methodology of soil profile description and sampling for laboratory analysis. Recognition of soil types.
Recognition of forest habitat types and their relationship to plant communities. Relationships between vegetation and soil. Application of habitat science in nature conservation.

Prerequisites and co-requisites

Basic knowledge of general ecology and plant ecology

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
final written assesment	51.0%	100.0%

Recommended reading

Basic literature	Mocek A. 2014. Gleboznawstwo. PWN, Warszawa.Opracowanie zbiorowe 2004. Siedliskowe podstawy hodowli lasu. Załącznik do Zasad hodowli lasu. Ośrodek Rozwojowo-Wdrożeniowy Lasów Państwowych w Bedoniu. Bednarek R., Dziadowiec H., Pokojska U., Prusinkiewicz Z. 2004. Badania ekologiczno-gleboznawcze. Wyd. Naukowe PWN, Warszawa.
Supplementary literature	Afranowicz-Cieślak R. 2013. Geobotaniczna charakterystyka Żuław Wiślanych. W: Ciecierska H., Hołdyński C. (red.), Interdyscyplinarne i aplikacyjne znaczenie nauk botanicznych. Przewodnik do warsztatów terenowych 56. Zjazdu Polskiego Towarzystwa Botanicznego, 24-30 czerwca 2013, Olsztyn, s. 135-143. Brożek S., Zwydak M. 2003. Atlas gleb leśnych Polski. Centrum informacyjne Lasów Państwowych. Tobolski K. 2000. Przewodnik do oznaczania torfów i osadów jeziornych. Ser. Vademecum Geobotanicum. Wyd. Nauk. PWN, Warszawa
eResources addresses	

Example issues/ example questions/ tasks being completed

Work placement

Not applicable

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