University of Gdańsk

Subject card

Subject name and code	Habitat science, PG_00196859		
Field of study	Biology		
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
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	1.0
Learning profile	academic	Assessment form	credit
Conducting unit	Pracownia Symbioz Roślinnych -> 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	15.0	0.0	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	2.0	8.0	25

Subject objectives	1 To learn about the formation and functioning of terrestrial habitats (biotopes), their transformation, spatial differentiation and relationship to different types of biocenoses. 2. to acquire practical knowledge of field methods for investigating soils (habitats) and their identification in the field.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[BIOLL3_U12] The graduate is able to use Polish and foreign languages specific to biology in a way that is understandable and accessible to both specialists and non-specialists	prepares written papers on selected research problems in habitat science	[SU3] text preparation/written work
[BIOLL3_U02] The graduate is able to make observations individually and in teams, and carry out basic physical, biological and chemical measurements in the field or laboratory	makes observations and performs basic physical measurements in the field, biological and chemical measurements related to habitat surveys	[SU6] demonstration of practical skills
[BIOLL3_K03] The graduate is able to organise the work of a small team and work effectively as part of a team	is pro-active and demonstrates perseverance in undertaking individual and team and teamwork in the field of habitat science	[SK8] observation of student's independent or team work
[BIOLL3_W05] The graduate uderstands at an advanced level the rules and describe the mechanisms of life at the population, biocenosis and ecosystem levels and the temporal and spatial determinants of biodiversity	describes phenomena and processes occurring in the habitat (primarily the soil) and the interactions between soil, climate and vegetation	[SW1] oral statement/ conversation/discussion
[BIOLL3_W15] The graduate knows and understands at an advanced level the rules, methods and techniques of conducting field research in the natural environment and the possibilities of their use in nature conservation	presents the basic principles, methods and techniques of habitat-based field surveys and how they can be used in nature and environmental protection environment	[SW2] presentation/project/paper/ report
[BIOLL3_W10] The graduate is familiar with the development and current state of knowledge and the latest trends in biology, as well as their relationship with other natural disciplines	is familiar with the development and current state of knowledge and the latest trends in habitat science and soil science, and how they relate to other natural disciplines. natural sciences	[SW2] presentation/project/paper/ report
[BIOLL3_U13] The graduate is able to present his/her own ideas and use adequate argumentation in the context of selected theoretical and practical perspectives	in a specialist discussion, is able to use scientific language typical of the biological sciences	[SU1] oral statement/conversation/ discussion
[BIOLL3_K01] The graduate is prepared to evaluate his/her own knowledge, understand the need for continuous learning and development, and is open to new ideas	strives to complement and update its knowledge in the field of habitat science	[SK1] oral statement/conversation/ discussion
[BIOLL3_U03] The graduate, under the guidance of a mentor, is able to carry out simple tasks or research expertise typical of the biological sciences	uses basic apparatus and research tools used in habitat science and follows the correct sequence of steps in fieldwork	[SU8] observation of student's independent or team work
[BIOLL3_K08] The graduate is ready to be honest, reliable and apply the principles of savoir-vivre in academic and professional work	demonstrates responsibility for the safety of their own work and that of others taking into account the risks arising from the research techniques used the field exercises in habitat science	[SK8] observation of student's independent or team work

Subject contents

Physical-geographical determinants of terrestrial habitat properties. The formation of soils and their properties. Influence of phytocoenoses on the functioning and diversity of soils. Recognition of selected soil types and the basis of their study. Forest habitat typology and its practical application.

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
written credit assignment	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

	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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