University of Gdańsk

Subject card

Subject name and code	Knowledge of the habitat, PG_00103895		
Field of study	Natural Resources Conservation		
Date of commencement of studies	October 2023	Academic year of realisation of subject	2025/2026
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	
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	15.0	0.0	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	0.0	0.0	15

Subject objectives

Study explore the principles of the formation and functioning of terrestrial habitats (biotopes), their transformation, spatial variation and relationship with different types of biocenoses.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[OZPL3_W06] The graduate has an advanced understanding of the names and types of natural environments, including their structural and functional characteristics	identifies and correctly names types of natural habitats - describes selected habitats in structural and functional terms	[SW4] test/exam - oral or written
[OZPL3_W13] The graduate has an advanced understanding of the fundamental rules, methods, and techniques of environmental research and their potential applications in nature conservation	possesses knowledge of habitat science, including procedures and methods of soil investigation.	[SW4] test/exam - oral or written
[OZPL3_K08] The graduate is ready to systematically update his/her natural knowledge and to apply it in practice	familiarises himself with the current state of natural science and constantly expands it with new trends and discoveries. He looks for and points out their connections and practical applications.	[SK1] oral statement/conversation/ discussion

Subject contents

Habitat as an object of study in ecology, conservation and interest in forestry and other applied sciences. General patterns of formation and differentiation of terrestrial habitats. Geological basis of soil science (geological processes, rocks, minerals). Soil as an integral, multifunctional component of terrestrial ecosystems; process of formation and functioning in the ecosystem. Soil morphology. Physical, chemical and biological properties of mineral and organic soils. Threats and protection of soils. Selected issues in forest habitat science Revised rules for distinguishing and mapping habitats. External factors influencing the formation of different plant communities.

<table>
<tr><td>Prerequisites and co-requisites</td><td colspan="2">basic knowledge of general ecology and plant ecology</td></tr>
<tr><td>Assessment methods and criteria</td><td colspan="2"><table><tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr><tr><td>written coursework assignment</td><td>51.0%</td><td>100.0%</td></tr></table></td></tr>
<tr><td rowspan="3">Recommended reading</td><td>Basic literature</td><td>Mocek A. 2014. Gleboznawstwo. PWN, Warszawa.

Bednarek R., Dziadowiec H., Pokojska U., Prusinkiewicz Z. 2004. Badania ekologiczno-gleboznawcze. Wyd. Naukowe PWN, Warszawa.

Opracowanie zbiorowe 2004. Siedliskowe podstawy hodowli lasu. Załącznik do Zasad hodowli lasu. Ośrodek Rozwojowo-Wdrożeniowy Lasów Państwowych w Bedoniu.</td></tr>
<tr><td>Supplementary literature</td><td>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.</td></tr>
<tr><td>eResources addresses</td><td></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td colspan="2"></td></tr>
<tr><td>Work placement</td><td colspan="2">Not applicable</td></tr>
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