University of Gdańsk

Subject card

Subject name and code	Typology and protection of terrestrial ecosystems, PG_00198118		
Field of study	Natural Resources Conservation		
Date of commencement of studies	October 2026	Academic year of realisation of subject	2027/2028
Education level	Bachelor's studies	Subject group	Obligatory subject group in the field of study 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	2	Language of instruction	Polish
Semester of study	4	ECTS credits	1.0
Learning profile	academic	Assessment form	credit
Conducting unit	Laboratory of Geobotanics and Nature Conservation -> Department of Plant Taxonomy and Nature Conservation -> Faculty of Biology -> Rector		
Name and surname of lecturer (lecturers)	Subject supervisor	dr Renata Afranowicz-Cieślak	
	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	2.0	8.0	25

Subject objectives

Understanding the diversity of terrestrial plant communities in the Gdańsk Pomerania region. Understanding the relationship between habitat features and the development of phytocoenoses. Learning the basic concepts related to the description of plant communities, their floristic composition, structure and functions in the ecosystem.

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	- names the types of natural environments (habitats) and characterizes them in terms of structure and functionality, indicates the most important features of the habitat influencing the formation and development of phytocenoses	[SW4] test/exam - oral or written
[OZPL3_W07] The graduate has an advanced understanding of the methods and means of nature and environmental protection, including nature monitoring	- presents methods and forms of protection of selected terrestrial ecosystems	[SW4] test/exam - oral or written

Subject contents

Basic concepts and definitions (including: phytosociology, plant cover, vegetation, plant community, phytocenosis, flora). Diversity of terrestrial phytocoenoses and a review of selected plant communities in Northern Poland, with particular emphasis on the main ones for Gdańsk Pomerania. Structure, functions and conditions of occurrence of various types of terrestrial phytocoenoses. The role of humans in shaping and modifying phytocoenoses and their habitats.

Prerequisites and co-requisites

Basic knowledge of botany.

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
written assessment with closed and open questions	51.0%	100.0%

Recommended reading	Basic literature	Matuszkiewicz W. 2008. Guide to marking plant communities in Poland. Ed. Science. PWN, Warsaw.Herbich J. (ed.) 2004. Guides for the protection of Natura 2000 habitats and species methodological manual. Ministry of the Environment, Warsaw. Vol. 1-5, 9.Szafer W., Zarzycki K. (ed.) 1977. Plant cover of Poland. Vol. 1-2. PWN, Warsaw.Wysocki C., Sikorski P. 2002. Applied phytosociology. Ed. SGGW.
	Supplementary literature	Lazarus M., Afranowicz R. 2011. Vegetation of the edges of the estuary section of the Vistula (northern Poland). Part II. Meadow, herb, fringe, shrub and locally specific communities. Fragment. Flor. Geobot. Polonica 18(1): 101-118. Lazarus M. 2016. The diversity of meadow and pasture vegetation in the Kaszubian Lake District (N Poland). Acta Botanica Cassubica, Monographiae 6, 114 pp. Matuszkiewicz J. M. 2008. Forest associations in Poland. Ed. Science. PWN, Warsaw.
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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