

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 phytocoenoses		[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, phytocoenosis, 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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