University of Gdańsk

Subject card

Subject name and code	Plant ecology, PG_00103588						
Field of study	Environmental Protection						
Date of commencement of studies	October 2024		Academic year of realisation of subject	2026/2027			
Education level	Bachelor's studies		Subject group	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	2.0			
Learning profile	academic		Assessment form	credit			
Conducting unit							
Name and surname of lecturer (lecturers)	Subject supervisor		prof. dr hab. Józef Szmeja				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	30.0	0.0	0.0	30
	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	30		5.0	15.0	50	
Subject objectives	1. to impart basic knowledge of the biology and ecology of plants, the structure and dynamics of their populations and communities.2. skill to diagnose the natural environment on the basis of the acquired knowledge.3. skill to describe phytocenosis in the light of the concept of population structure of vegetation.						

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<tr><td>Learning outcomes</td><td>
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<tr><th>Course outcome</th><th>Subject outcome</th><th>Method of verification</th></tr>
<tr><td>[OŚL3_W05] Explains the course of natural and anthropopressional physical, chemical and biological processes and phenomena occurring in nature at various levels of matter organisation.</td><td>names the types of natural environments and characterizes them in structural and functional terms</td><td>[SW2] presentation/project/paper/ report</td></tr>
<tr><td>[OŚL3_K06] Knows and appreciates the practical application of the acquired knowledge and skills in solving problems.</td><td>knows the limitations of his own knowledge and understands the need for continuous improvement of his knowledge and practical skills</td><td>[SK2] presentation/project/paper/ report</td></tr>
<tr><td>[OŚL3_W09] Describes the basic methods, techniques and tools that allow the rational use, shaping and restoration of natural resources.</td><td>identifies the methods and tools necessary to determine the structure of populations and phytocenoses</td><td>[SW2] presentation/project/paper/ report</td></tr>
<tr><td>[OŚL3_U04] Uses specialist language in the discussion and properly uses the nomenclature in the field of environmental protection and individual disciplines related to it.</td><td>applies specialized nomenclature accepted in ecology and demonstrates the ability to prepare a correctly documented study of selected problems in plant ecology</td><td>[SU2] presentation/project/paper/ report</td></tr>
<tr><td>[OŚL3_W02] Characterises the relationships and relationships between various disciplines of natural sciences and science, uses knowledge of mathematics, physics, chemistry and biology in the description of basic concepts, concepts and principles in environmental protection.</td><td>explains the basic rules and describes the mechanisms of population, phytocenosis and ecosystem functioning, as well as the spatial determinants of biodiversity</td><td>[SW2] presentation/project/paper/ report</td></tr>
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<tr><td>Subject contents</td><td>Methods for studying population structure and phytocenoses in natural systems. Methods of biometric and mapping analyses, techniques for establishing plots and planning long-term studies. Statistical, numerical and cartographic tools for developing results. Concepts, approaches and methodological solutions applicable in solving practical problems of valorization and diagnosis of natural systems.</td></tr>
<tr><td>Prerequisites and co-requisites</td><td></td></tr>
<tr><td>Assessment methods and criteria</td><td>
<table>
<tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr>
<tr><td>presentation of the obtained results (group work)</td><td>51.0%</td><td>50.0%</td></tr>
<tr><td>written report (individual work)</td><td>51.0%</td><td>50.0%</td></tr>
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<tr><td>Recommended reading</td><td>
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<tr><td>Basic literature</td><td>n/a</td></tr>
<tr><td>Supplementary literature</td><td>n/a</td></tr>
<tr><td>eResources addresses</td><td></td></tr>
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<tr><td>Example issues/ example questions/ tasks being completed</td><td></td></tr>
<tr><td>Work placement</td><td>Not applicable</td></tr>
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