

Subject card

Subject name and code	Habitat biology, PG_00054842						
Field of study	Environmental Protection						
Date of commencement of studies	October 2026		Academic year of realisation of subject		2026/2027		
Education level	Master'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	1		Language of instruction		Polish		
Semester of study	1		ECTS credits		1.0		
Learning profile	academic		Assessment form		credit		
Conducting unit							
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	To learn the definition of habitat and other basic ecological concepts. To demonstrate the cause and effect relationships between habitat and biocenosis. To define and characterise soil as a multifunctional component of terrestrial ecosystems. To acquire the ability to apply different habitat typologies and their practical application in environmental conservation.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[OŚMU2_K02] Recognises threats, creates safe work conditions and is responsible for the safety of own and other people's 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		[SK6] demonstration of practical skills		
	[OŚMU2_U03] Plans and performs research tasks in the field or laboratory and interprets research results on environmental issues (working individually or in a team assuming various roles, including managerial functions).		apply the basic research apparatus and tools used in habitat science and maintains the correct sequence of operations in fieldwork - make observations and basic physical, biological and chemical measurements in the field related to habitat research biological and chemical measurements related to habitat research		[SU8] observation of student's independent or team work		
	[OŚMU2_W02] Has the thorough knowledge of statistical methods and modeling in environmental protection.		describes habitat phenomena and processes (primarily soil) and interactions between soil, climate and vegetation - outlines the basic principles, methods and techniques of habitat research, and how they can be used in nature conservation and environmental protection		[SW2] presentation/project/paper/report		

Subject contents	Habitat definitions, its characteristics as an object of study and use. The formation, diversity and characteristics of terrestrial habitats. The formation of soils and their properties. The influence of phytocoenoses on the functioning and diversity of soils. Recognition of selected soil types and the basis of their research		
Prerequisites and co-requisites	Biodiversity knowledge		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
		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., Pokojka U., Prusinkiewicz Z. 2004. Badania ekologiczno-gleboznawcze. Wyd. Naukowe PWN, Warszawa.	
	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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