

Subject card

Subject name and code	Carnivorous plants, PG_00179648						
Field of study	Environmental Protection						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2026/2027		
Education level	Master's studies		Subject group		Optional subject group		
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 Freshwater Ecology -> Department of Plant Ecology -> Faculty of Biology -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Krzysztof Banaś				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	15.0	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	1. Knowledge of the diversity of carnivorous plants and the specifics of their habitat conditions. 2. Knowledge of evolution and mutualistic relationships with animals. 3. Threats to carnivorous plants and their habitats.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[OŚMU2_K05] Critically assesses her/his own knowledge and the knowledge of the teams in which s/ he works, can critically assess the content received.		The student understands the need to increase his/her own competence and updates the acquired knowledge on the specific ecological characteristics of carnivorous plants and their habitats in order to protect them more effectively		[SK1] oral statement/conversation/ discussion [SK8] observation of student's independent or team work		
	[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).		is able to make simple measurements of the characteristics of the abiotic environment and interpret their changes resulting from human activity		[SU2] presentation/project/paper/ report [SU6] demonstration of practical skills		
	[OŚMU2_W06] Analyses the impact of human activities on biodiversity and environmental quality on a local, regional and global scale.		names and classifies carnivorous plants and characterizes their habitat conditions, can interpret human impact on carnivorous plants and their habitats, presents methods and ways to protect plants and their habitats and understands the need for their monitoring		[SW2] presentation/project/paper/ report [SW3] text preparation/written work		

Subject contents	History of carnivorous plant research. Diversity and occurrence of carnivorous plants in the world, their evolution, habitat of carnivorous plants, characteristics of the most important genera: Aldrovanda, Dionaea, Darlingtonia, Heliamphora, Sarracenia, Nepenthes, Cephalotus, Brocchinia, Catopsis, Pinguicula, Byblis, Roridula, Drosera, Drosophyllum, Bylis, Utricularia, Genlisea. The future of carnivorous plants and their habitats.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	group work, project	51.0%	50.0%
	plant identification	51.0%	50.0%
Recommended reading	Basic literature	Stewart McPherson, Andreas Fleischmann, Alastair Robinson 2010, Carnivorous Plants and their Habitats Vol 1 i 2, Redfern Natural History Productions Ltd	
		Stewart McPherson, Andreas Wistuba 2011, Sarraceniaceae of South America, Redfern Natural History Productions Ltd	
		Stewart McPherson 2008, Glistening Carnivores: The Sticky-leaved Insect-eating Plants, Redfern Natural History Productions Ltd	
		Lowrie, A.; Nunn, R.; Robinson, A.; Bourke, G.; McPherson, S.; Fleischmann, A. Drosera of the World. Vol. 1: Oceania, Redfern Natural History Productions Ltd	
		Lowrie, A.; Robinson, A.; Nunn, R.; Rice, B.; Bourke, G.; Gibson, R.; McPherson, S.; Fleischmann, A. 2019, Drosera of the World. Vol. 2: Oceania, Asia, Europe, North America, Redfern Natural History Productions Ltd	
		Robinson, A.; Gibson, R.; Gonella, P.; McPherson, S.; Nunn, R.; Fleischmann, A., Drosera of the World: Vol. 3: Latin America & Africa, Redfern Natural History Productions Ltd	
		Tim Bailey, Stewart McPherson 2016, Carnivorous Plants of Britain and Ireland, Redfern Natural History Productions Ltd	
		Tim Bailey, Stewart McPherson 2013, Dionaea: The Venus's Flytrap, Redfern Natural History Productions Ltd	
		Peter D'Amato 2013, The Savage Garden, Revised: Cultivating Carnivorous Plants, 2nd edition, Ten Speed Press	
	Supplementary literature	no	
	eResources addresses		
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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