

Subject card

Subject name and code	Principles of marine botany - lecture, PG_00118095						
Field of study	Environmental Protection, Oceanography						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2027/2028		
Education level	Bachelor's studies		Subject group		Obligatory subject group in the field of study Optional subject group 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	3		Language of instruction		Polish		
Semester of study	5		ECTS credits		2.0		
Learning profile	academic		Assessment form		exam		
Conducting unit	Department of Marine Ecosystems Functioning -> Faculty of Oceanography and Geography -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Filip Pniewski				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	0.0	0.0	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		10.0		20.0	60
Subject objectives	To familiarise with the taxonomic division of the plant world and prokaryotic organisms associated with the marine environment, learning about their structure, habitat, importance.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	OCEANL3-U03		Student is able to develop, describe and present research results and, on this basis, formulate conclusions regarding phytoplankton and marine phytobenthos communities.		[SU4] test/exam - oral or written		
	OCEANL3-W03		Student knows and understands the relationships between living and non-living elements of the aquatic environment, is aware of the comprehensive nature of aquatic environments, their complexity and natural variability, especially regarding phytoplankton and marine phytobenthos.		[SW4] test/exam - oral or written		
	OCEANL3-W05		Student knows at an advanced level the techniques, research methods and tools (mathematical, statistical, IT) used in the work of marine botanist in order to describe and interpret processes and phenomena occurring in the marine environment.		[SW4] test/exam - oral or written		

Subject contents	1. Lecture topics and basic definitions. 2. Viruses in the marine environment. 3. The world of prokaryotic organisms (archaeobacteria, eubacteria, cyanobacteria, prochlorophytes) found in the marine environment. 4. Sea mushrooms. 5. Marine micro- and macroalgae (glaucophytes, dinoflagellates, Chlorarachniophyta, euglenins, chrysophytes, cryptophytes, rapidophytes, green algae, brown algae, red algae). 6. Marine seed plants. 7. The latest directions in the development of marine botany and related fields of knowledge.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	exam	51.0%	100.0%
Recommended reading	Basic literature	1. Szweykowska A., Szweykowski J., 2003, Botanika, Tom I Morfologia, PWN, Warszawa 2. Szweykowska A., Szweykowski J., 2003, Botanika, Tom II Systematyka, PWN, Warszawa 3. Pliński M. i in., 2008-2012, Glony Zatoki Gdańskiej i wód przyległych, część I-VIII, Wydawnictwo Uniwersytetu Gdańskiego	
	Supplementary literature	1. Kadłubowska J., 1975, Zarys algologii, PWN, Warszawa	
	eResources addresses		
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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