University of Gdańsk

Subject card

Subject name and code	Principles of marine botany - lecture, PG_00118095		
Field of study	Oceanography		
Date of commencement of studies	October 2024	Academic year of realisation of subject	2026/2027
Education level	undergraduate studies	Subject group	Obligatory subject group 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	
Conducting unit	Katedra Funkcjonowania Ekosystemów Morskich -> Faculty of Oceanography and Geography		
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

Additional information:
Lecture with multimedia presentation

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-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
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-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

Subject contents	1. Lecture topics and basic definitions. 2. Viruses in the marine environment. 3. The world of prokaryotic organisms (archaebacteria, 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	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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