

Subject card

Subject name and code	Marine Botany, PG_00209746						
Field of study	Spanish and Portuguese Studies						
Date of commencement of studies	October 2024		Academic year of realisation of subject				
Education level	Bachelor's studies		Subject group		Obligatory subject group in the field of study Optional subject group		
Mode of study	full-time studies		Mode of delivery		e-learning		
Year of study	3		Language of instruction		English english		
Semester of study	5		ECTS credits		2.0		
Learning profile	academic		Assessment form		credit		
Conducting unit	Department of Marine Ecosystems Functioning -> Faculty of Oceanography and Geography -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Sylwia Śliwińska, prof. UG				
	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: 30.0						
	eNauczanie source address: https://euczelnia.ug.edu.pl/auth/app/teacher/#						
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		0.0		20.0	50
Subject objectives	This course emphasizes understanding the characteristic and systematics of cyanobacteria and algae, their key role in the aquatic ecosystem, their ability to create blooms and produce toxins, and the possibility of practical use of algae in industry. We will discuss key groups of cyanobacteria and algae, their ecological requirements, and specific adaptations. This will lead us to a discussion of the role of cyanobacteria and algae in current issues in biology and environmental science.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
			nd		[SU1] oral statement/conversation/discussion [SU2] presentation/project/paper/report [SK1] oral statement/conversation/discussion [SK2] presentation/project/paper/report [SK3] text preparation/written work [SK4] test/exam - oral or written [SK8] observation of student's independent or team work		
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	Lee, R. E. (2018). <i>Phycology</i> . Cambridge university press.	
	Supplementary literature	Andersen, R. A. (Ed.). (2005). <i>Algal culturing techniques</i> . Elsevier.	
	eResources addresses		
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

Document generated electronically. Does not require a seal or signature.