

Subject card

Subject name and code	Marine biotechnology in a real world - tutorials, PG_00192724						
Field of study	Marine Biotechnology						
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		
Mode of study	full-time studies	Mode of delivery			at the university		
Year of study	1	Language of instruction			English		
Semester of study	1	ECTS credits			1.0		
Learning profile	academic	Assessment form			credit		
Conducting unit	Intercollegiate Faculty of Biotechnology UG-MUG -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Agnieszka Bernat-Wójtowska				
	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		1.0		9.0	25
Subject objectives	The aim of this course is to present to students latest findings in marine biotechnology; discuss diverse examples documenting the application of marine organism and marine products in various areas of our live. Part of the classes will be conducted with the contribution of invited guests from various research institutions and business companies in Poland and abroad.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[MBMU2-KU03] Can use and critically analyze available scientific information; can prepare and present - orally or in writing - a paper covering detailed problems in the field of marine biotechnology on the basis of the scientific information or their own work, with the use of scientific language, including specialized terminology and conceptual apparatus; has the ability to conduct discussions	BIOTECHMU2_U03 Based on the available information, the student is able to present orally or in writing on the practical applications of marine organisms and their products.			[SU1] oral statement/conversation/discussion [SU4] test/exam - oral or written		
	[MBMU2-KK01] Is ready to critically evaluate his knowledge and continuously improve, update and upgrade his skills in the field of marine biotechnology	BIOTECHMU2_K01 Student actively participates in discussion and formulates questions concerning specific aspects of the operations of companies that utilize marine resources.			[SK1] oral statement/conversation/discussion [SK8] observation of student's independent or team work		
	[MBMU2-KW04] Knows and deeply understands advanced research methods used in marine biotechnology and related sciences	BIOTECHMU2_W04 The student is able to provide examples of the use of marine organisms and their products in industrial processes.			[SW1] oral statement/conversation/discussion		

Subject contents	<p>Presentations of success stories in the area of marine biotechnology.</p> <p>Presentations of currently conducted studies aimed at commercialization of marine-derived-product.</p> <p>Presentations of latest break-through and scientific achievements in the field.</p> <p>Other aspects of marine biotechnology.</p>		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	credit based on active participation	51.0%	30.0%
	credit based on exit test	51.0%	70.0%
Recommended reading	Basic literature	The reading list will be presented during the classes depending on the subject matter/invited guests.	
	Supplementary literature	The reading list will be presented during the classes depending on the subject matter/invited guests.	
	eResources addresses		
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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