University of Gdańsk

Subject card

Subject name and code	Recent findings in ocean research - lecture, PG_00192688		
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 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	1	Language of instruction	English
Semester of study	2	ECTS credits	1.0
Learning profile	academic	Assessment form	credit
Conducting unit	Faculty of Oceanography and Geography -> Rector		
Name and surname of lecturer (lecturers)	Subject supervisor	dr Anna Panasiuk	
	Teachers		

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	15.0	0.0	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 the course is to present students with the latest directions of research in the field of oceanography conducted in research centers in Poland and abroad, as well as to familiarize them with the latest scientific reports. Lectures will also be given by invited guests from various research institutions in Poland and abroad.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[MBMU2-KW03] Has an in-depth knowledge and understanding of complex biological phenomena at the molecular level, understands their significance for an organism, marine environment and marine biotechnology	Student possesses advanced knowledge about the current challenges of marine science	[SW1] oral statement/ conversation/discussion [SW5] implementation of a problem task

Subject contents

Overview of current research directions in oceanography and the latest scientific advances in the functioning of marine and ocean ecosystems. The impact of climate change on the oceans, including changes in temperature and ocean circulation. Current research on marine biodiversity, ecosystem functioning and productivity, and changes in the structure and functioning of marine food webs. The latest methods for observing and monitoring the marine environment, including the use of autonomous research platforms, remote sensing, biologging, molecular methods and tools for analysing large datasets. Presentation of selected recent research findings from Poland and around the world, and discussion of their significance for understanding and protecting the marine environment.

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
esey or test	51.0%	100.0%

Recommended reading

Basic literature

1. Talley, L. D., Pickard, G. L., Emery, W. J., Swift, J. H. *Descriptive Physical Oceanography: An Introduction*. Academic Press, 2011.
2. Castro, P., Huber, M. E. *Marine Biology*. McGraw-Hill Education, the latest available edition.

	Supplementary literature	Selected articles from scientific journals
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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