University of Gdańsk

Subject card

Subject name and code	The basics of biological oceanography - laboratory exercises, PG_00159301						
Field of study	Oceanography						
Date of commencement of studies	October 2024		Academic year of realisation of subject	2025/2026			
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	2		Language of instruction	Polish			
Semester of study	3		ECTS credits	2.0			
Learning profile	academic		Assessment form				
Conducting unit	Pracownia Biologii Planktonu -> Katedra Biologii Morza i Biotechnologii -> Faculty of Oceanography and Geography						
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	0.0	0.0	30.0	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 familiarize students with the ecological formations of the seas and oceans and their dominant representatives.						

Learning outcomes

Course outcome	Subject outcome	Method of verification
OCEANL3-U12	Is able to systematically expand and update knowledge in the field of biological oceanography and improve professional qualifications	[SU1] oral statement/conversation/ discussion [SU4] test/exam - oral or written
OCEANL3-U03	Is able to plan research and measurements, both in the field and in the laboratory, independently or under the supervision of a research supervisor, using appropriately selected measurement and analytical techniques in the field of biological oceanography, adequate to the research problem posed	[SU6] demonstration of practical skills [SU8] observation of student's independent or team work
OCEANL3-U04	Is able to use source information in Polish and English, including archival and electronic databases, in the field of biological oceanographic issues, performs critical analysis and synthesis of information	[SU1] oral statement/conversation/ discussion [SU4] test/exam - oral or written
OCEANL3-U01	Is able to use current scientific terminology in presenting and discussing problems in the field of biological oceanography.	[SU1] oral statement/conversation/ discussion [SU4] test/exam - oral or written
[OCEANL3-K06] is willing to use the acquired knowledge in planning and designing professional activities as well as thinking and acting in an entrepreneurial way, also in the field of social activities undertaken	Is ready to comply with occupational health and safety rules, take care of the specialist equipment entrusted, is aware of the risks and threats resulting from the work performed	[SK6] demonstration of practical skills [SK8] observation of student's independent or team work
OCEANL3-U11	Is able to work individually and cooperate in laboratory and field groups, performing various functions and tasks	[SU1] oral statement/conversation/ discussion [SU8] observation of student's independent or team work

Subject contents

Review of basic ecological formations in seas and oceans.

Trophic relationships in open and coastal waters.

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Determining the grade based on grades from individual thematic blocks implemented throughout the semester (all thematic blocks should be passed)	51.0%	100.0%

Recommended reading

Basic literature	Demel K. (1979) Życie morza, Wyd. Morskie, Gdańsk (in Polish) Duxbury A.C., Duxbury A.B., Sverdrup K.A. (2002) Oceany świata, PWN, Warszawa (in Polish) Pliński M. (1994) Biologia organizmów morskich. Wydawnictwo UG, Gdańsk (in Polish) Umiński T. (1976) Zwierzęta i oceany: popularna zoogeografia wód morskich. Wydawnictwo Szkolne i Pedagogiczne, Warszawa (in Polish) Żmudziński L. (1990) Świat zwierzęcy Bałtyku: atlas makrofauny. Wydawnictwo Szkolne i Pedagogiczne, Warszawa (in Polish)
Supplementary literature	Gage J.G., Tyler P.A. (1991) Deep Sea Biology, Cambridge Univesity Press Korzeniewski K. (1998) Ochrona środowiska morskiego, Wyd. UG, Gdańsk (in Polish) Lwowicz M.I. (1979) Zasoby wodne świata, PWN Warszawa (in Polish) Różańska Z. (1987) Zasoby, zanieczyszczenia i ochrona wód morskich ze szczególnym uwzględnieniem Bałtyku, PWN Warszawa (in Polish)
eResources addresses	Adresy na platformie eNauczanie:

Example issues/ example questions/ tasks being completed

Work placement

Not applicable

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