

**Subject card**

Subject name and code	, PG_00120352						
Field of study	Oceanography						
Date of commencement of studies	October 2024	Academic year of realisation of subject				2025/2026	
Education level	postgraduate studies	Subject group				Obligatory subject group in the field of study Optional subject group	
Mode of study	full-time studies	Mode of delivery				at the university	
Year of study	2	Language of instruction				Polish Polish	
Semester of study	3	ECTS credits				6.0	
Learning profile	academic	Assessment form					
Conducting unit	Pracownia Transformacji Substancji Toksycznych -> Katedra Oceanografii Chemicznej i Geologii Morza -> Faculty of Oceanography and Geography						
Name and surname of lecturer (lecturers)	Subject supervisor		prof. dr hab. Magdalena Beldowska				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	85.0	0.0	0.0	85
	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	85		40.0		50.0	175
Subject objectives	Preparation of the Master Thesis						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[OCEANMU2-K04] is ready to critically evaluate his/her knowledge and received content in the field of natural sciences in particular in the field of the studied specialty, a in problematic situations, supports oneself with knowledge experts	Be able to write a conclusion to the research presented in the thesis	[SK3] text preparation/written work
	[OCEANMU2-U08] is able to prepare a study of a given issue/ problem in Polish and a selected foreign language in written form (short scientific text, documented research work) and orally (paper, presentation) and discuss with specialists on topics related to oceanographic issues, with particular emphasis on the studied specialty	Can describe the results collected and explain the variation observed	[SU3] text preparation/written work
	[OCEANMU2-W05] knows and understands the principles of planning and conducting field and laboratory research as well as advanced methods and tools of scientific research, especially in the field of the studied specialty	Is able to take samples for chemical analysis, prepare them for analysis, perform chemical analyses. Is able to measure additional parameters.	[SW5] implementation of a problem task
	[OCEANMU2-W01] knows and understands in-depth specialized terminology used in oceanography and related sciences (in Polish and a selected foreign language)	Able to write theoretical chapters for a Master Thesis in precise, scientific language	[SW3] text preparation/written work
	[OCEANMU2-U05] is able to use source information in Polish and a selected foreign language, including archival and electronic databases, in the field of oceanographic issues, performs critical analysis and synthesis of information	Can compare the collected results with literature data. Can confirm the processes described with relevant references from the scientific literature.	[SU3] text preparation/written work
[OCEANMU2-K03] is ready to effectively organize his/her own work, is active and persistent and punctuality in completing tasks, is ready to carrying out evaluation of their own activities	is able to work independently in the laboratory	[SK8] observation of student's independent or team work	
Subject contents	topics proposed by the supervisors in the field of environmental chemistry		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	independent student work	51.0%	100.0%
Recommended reading	Basic literature	Books related to the topic of the Master Thesis	
	Supplementary literature	Scientific articles related to the topic of the Master Thesis	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed	<ol style="list-style-type: none"> <li>1. Toxic metals in the marine environment</li> <li>2. Phenols in the marine environment</li> <li>3. Nutrients in the natural environment</li> <li>4. Processes affecting the circulation of elements/chemicals in the marine environment</li> <li>5. Chemical composition of aerosols</li> </ol>		
Work placement	Not applicable		

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