

**Subject card**

<b>Subject name and code</b>	Master's Thesis Laboratory in Marine and Atmospheric chemistry III - laboratory, PG_00204987						
<b>Field of study</b>	Oceanography						
<b>Date of commencement of studies</b>	October 2026	<b>Academic year of realisation of subject</b>			2027/2028		
<b>Education level</b>	Master's studies	<b>Subject group</b>			Obligatory subject group in the field of study Optional subject group Subject group related to scientific research in the field of study		
<b>Mode of study</b>	full-time studies	<b>Mode of delivery</b>			at the university		
<b>Year of study</b>	2	<b>Language of instruction</b>			Polish		
<b>Semester of study</b>	4	<b>ECTS credits</b>			12.0		
<b>Learning profile</b>	academic	<b>Assessment form</b>			credit		
<b>Conducting unit</b>	Department of Chemical Oceanography and Marine Geology -> Faculty of Oceanography and Geography -> Rector						
<b>Name and surname of lecturer (lecturers)</b>	<b>Subject supervisor</b>		dr hab. Dominika Saniewska				
	<b>Teachers</b>						
<b>Lesson types</b>	<b>Lesson type</b>	<b>Lecture</b>	<b>Tutorial</b>	<b>Laboratory</b>	<b>Project</b>	<b>Seminar</b>	<b>SUM</b>
	<b>Number of study hours</b>	0.0	0.0	125.0	0.0	0.0	125
	E-learning hours included: 0.0						
<b>Learning activity and number of study hours</b>	<b>Learning activity</b>	<b>Participation in didactic classes included in study plan</b>		<b>Participation in consultation hours</b>		<b>Self-study</b>	<b>SUM</b>
	<b>Number of study hours</b>	125		5.0		170.0	300
<b>Subject objectives</b>	Completion of research tasks related to the master's thesis; drafting and editing the thesis manuscript and preparing for the diploma exam.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[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 prepare a written report (short scientific text, documented research paper) or oral presentation (paper, presentation) on a given topic or problem in Polish and English. Can present and justify the results of analyses and discuss topics related to oceanography with specialists, with particular emphasis on chemical oceanography and atmospheric chemistry.	[SU1] oral statement/conversation/discussion [SU3] text preparation/written work
	[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	Ready to critically evaluate his knowledge and the content he receives in the field of natural sciences, in particular concerning chemical oceanography and atmospheric chemistry. In situations requiring specialist interpretation, he is able to seek the support of experts and consult with relevant specialists.	[SK3] text preparation/written work
	[OCEANMU2-W09] knows and understands legal regulations regarding intellectual property rights and their application in scientific work	Knows and understands legal regulations concerning intellectual property protection and the principles of their application in scientific work.	[SW1] oral statement/conversation/discussion [SW3] text preparation/written work
Subject contents	The subject matter of classes and the scope of research, laboratory, field, and literature tasks are determined individually by the student and their thesis supervisor, in accordance with the subject matter and specifications of the thesis. Compilation of research results, their interpretation, and preparation of the master's thesis.		
Prerequisites and co-requisites	A prerequisite for obtaining a passing grade is the submission of the entire master's thesis.		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	The degree of advancement of research carried out as part of the master's thesis	51.0%	20.0%
	Degree of advancement in the preparation of the master's thesis manuscript	51.0%	80.0%
Recommended reading	Basic literature	The literature is selected for each student individually, in accordance with the guidelines provided by the thesis supervisor.	
	Supplementary literature	The literature is selected for each student individually, in accordance with the guidelines provided by the thesis supervisor.	
	eResources addresses		
Example issues/ example questions/ tasks being completed	Issues relevant to the master's thesis being prepared.		
Work placement	Not applicable		

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