University of Gdańsk

Subject card

Subject name and code	Marine Physics Laboratory III, PG_00206222		
Field of study	Oceanography		
Date of commencement of studies	October 2026	Academic year of realisation of subject	2027/2028
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	2	Language of instruction	Polish
Semester of study	4	ECTS credits	13.0
Learning profile	academic	Assessment form	credit
Conducting unit	Laboratory of Physical Oceanography -> Department of Physical Oceanography and Climate Research -> Faculty of Oceanography and Geography -> Rector		
Name and surname of lecturer (lecturers)	Subject supervisor	dr Gabriela Gic-Grusza	
	Teachers		

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	0.0	0.0	135.0	0.0	0.0	135

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	135	5.0	185.0	325

Subject objectives

Implementation of the main stage of the research for the Masters thesis: carrying out full computations/ measurements, advanced analysis and validation of results, assessment of uncertainties and limitations; integrating the outcomes into a coherent thesis narrative and preparing and editing the complete manuscript (results, discussion, conclusions) for submission.

<table>
<tr><td>Learning outcomes</td><td>
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<tr><th>Course outcome</th><th>Subject outcome</th><th>Method of verification</th></tr>
<tr><td>[OCEANMU2-W09] knows and understands legal regulations regarding intellectual property rights and their application in scientific work</td><td>Student knows and understands legal
regulations regarding the protection of intellectual property and the principles of their application in scientific work.</td><td>[SW1] oral statement/ conversation/discussion
[SW3] text preparation/written work</td></tr>
<tr><td>[OCEANMU2-K04] is ready to critically evaluate his/her knowledge and
received content in the field of natural sciences in
in particular in the field of the studied specialty, a
in problematic situations, supports oneself with knowledge
experts</td><td>Student is prepared to critically evaluate his / her knowledge and understanding of the natural sciences, particularly marine physics. In situations requiring specialized interpretation, he/she is able to seek expert support and consult with appropriate specialists.</td><td>[SK3] text preparation/written work</td></tr>
<tr><td>[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</td><td>Student can prepare a study in Polish and English on a given topic or problem in written form (short scientific text, documented research work) and orally (paper, presentation). Can present and justify analytical results and discuss topics related to oceanography with specialists, with particular emphasis on marine physics.</td><td>[SU3] text preparation/written work</td></tr>
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<tr><td>Subject contents</td><td>The topic and scope of tasks are agreed individually with the Masters thesis supervisor, in line with the thesis subject and its specific requirements. The course includes: conducting the main research according to the adopted methodology (measurements/experiments/simulations/analyses), data cleaning and verification, advanced analysis of results with assessment of uncertainties and limitations and, where applicable, validation/modelling, preparation of final figures, tables and summaries, in-depth interpretation and discussion, formulation of conclusions, editing the complete Masters thesis manuscript, and preparing the abstract and materials for the final presentation/defence.</td></tr>
<tr><td>Prerequisites and co-requisites</td><td></td></tr>
<tr><td>Assessment methods and criteria</td><td>
<table>
<tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr>
<tr><td>Progress in preparing the master's thesis manuscript</td><td>51.0%</td><td>80.0%</td></tr>
<tr><td>Progress in research carried out as part of the master's thesis</td><td>51.0%</td><td>20.0%</td></tr>
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<tr><td>Recommended reading</td><td>
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<tr><td>Basic literature</td><td>Literature is selected individually for each student, in accordance with the instructions of the thesis supervisor.</td></tr>
<tr><td>Supplementary literature</td><td>Literature is selected individually for each student, in accordance with the instructions of the thesis supervisor.</td></tr>
<tr><td>eResources addresses</td><td></td></tr>
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<tr><td>Example issues/ example questions/ tasks being completed</td><td>Questions/Problems relevant to the prepared thesis.</td></tr>
<tr><td>Work placement</td><td>Not applicable</td></tr>
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