University of Gdańsk

Subject card

Subject name and code	Regional Oceanography - Case Studies - seminar, PG_00206201						
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 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	4.0			
Learning profile	academic		Assessment form	credit			
Conducting unit	Faculty of Oceanography and Geography -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Anita Lewandowska, prof. UG				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	60.0	0.0	0.0	0.0	0.0	60
	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	60		2.0		38.0	100
Subject objectives	Improving data acquisition, analysis and interpretation based on the latest scientific data. Developing the ability to express opinions on scientific topics supported by arguments.						

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<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-K01] is ready to plan, implement and supervise, individually or collectively,
next stages of the entrusted task, is ready
to take responsibility for its results;</td><td>Students can work and cooperate in a team by actively assuming different
roles, including the role of a leader</td><td>[SK2] presentation/project/paper/ report
[SK8] observation of student's independent or team work</td></tr>
<tr><td>[OCEANMU2-W03] has an in-depth understanding of research methods used in oceanography and related sciences, and interprets their mechanisms and interrelationships across different spatial and temporal scales</td><td>student knows and deeply understands the research methods used in oceanography</td><td>[SW1] oral statement/ conversation/discussion
[SW2] presentation/project/paper/ report
[SW3] text preparation/written work</td></tr>
<tr><td>[OCEANMU2-W02] knows and understands complex processes and phenomena occurring in the marine environment, with particular emphasis on the coastal zone, as well as complex relationships between living and non-living elements of the aquatic environment</td><td>student has a deep knowledge and understanding of the complex physical,
biological, chemical and geological phenomena, and the natural processes taking
place in marine environment and the coastal zone; students can explain and
analyze the interrelations among the phenomena and processes that occur in the marine environment</td><td>[SW1] oral statement/ conversation/discussion
[SW2] presentation/project/paper/ report
[SW3] 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>Students proficiently communicate in English, including the use of professional terminology</td><td>[SU1] oral statement/conversation/ discussion
[SU2] presentation/project/paper/ report</td></tr>
<tr><td>[OCEANMU2-U09] can take part in a discussion/debate using substantive arguments, has the ability to formulate opinions based on scientific knowledge and experience and creating synthetic summaries</td><td>Students can synthesize and analyze their own opinions and those of other
authors</td><td>[SU1] oral statement/conversation/ discussion
[SU3] text preparation/written work</td></tr>
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<tr><td>Subject contents</td><td>The course will explore the recent literature highlighting various aspects of marine systems e.g.:
- the geology, processes, and paleo-archives hidden beneath the worlds oceans,
- biogeochemical cycling of elements and alterations in ocean and atmospheric chemistry, geoengineering techniques for mitigation of climate
change, influence of outdoor and indoor air pollutions on people health and their quality of life in the Baltic Sea region,
- physical processes, ocean-atmosphere interactions, elements of numerical modeling,
- biological processes, effect of global changes on biota and ecosystem functioning.</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>determining the grade based on partial grades received during the semester</td><td>51.0%</td><td>100.0%</td></tr>
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<tr><td>Recommended reading</td><td>
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<tr><td>Basic literature</td><td>Publications from scientific journals</td></tr>
<tr><td>Supplementary literature</td><td>Publications from scientific journals</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></td></tr>
<tr><td>Work placement</td><td>Not applicable</td></tr>
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