University of Gdańsk

Subject card

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|---|---|---|---|---|---|---|---|
| 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<br>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. | | | | | | |

<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-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,<br>biological, chemical and geological phenomena, and the natural processes taking<br>place in marine environment and the coastal zone; students can explain and<br>analyze the interrelations among the phenomena and processes that occur in the marine environment</td><td>[SW1] oral statement/ conversation/discussion<br>[SW2] presentation/project/paper/ report<br>[SW3] text preparation/written work</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<br>authors</td><td>[SU1] oral statement/conversation/ discussion<br>[SU3] 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<br>[SU2] presentation/project/paper/ report</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<br>[SW2] presentation/project/paper/ report<br>[SW3] text preparation/written work</td></tr>
<tr><td>[OCEANMU2-K01] is ready to plan, implement and supervise, individually or collectively,<br>next stages of the entrusted task, is ready<br>to take responsibility for its results;</td><td>Students can work and cooperate in a team by actively assuming different<br>roles, including the role of a leader</td><td>[SK2] presentation/project/paper/ report<br>[SK8] observation of student's independent or team 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.:<br>- the geology, processes, and paleo-archives hidden beneath the worlds oceans,<br>- biogeochemical cycling of elements and alterations in ocean and atmospheric chemistry, geoengineering techniques for mitigation of climate<br>change, influence of outdoor and indoor air pollutions on people health and their quality of life in the Baltic Sea region,<br>- physical processes, ocean-atmosphere interactions, elements of numerical modeling,<br>- 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>
<table>
<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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