University of Gdańsk

Subject card

Subject name and code	Biological Valuation and Impact Assessment of the Marine Environment - laboratory, PG_00206170		
Field of study	Oceanography		
Date of commencement of studies	October 2026	Academic year of realisation of subject	2028/2029
Education level	Bachelor'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	3	Language of instruction	Polish
Semester of study	5	ECTS credits	2.0
Learning profile	academic	Assessment form	credit
Conducting unit	Laboratory of Biodiversity and Benthic Functioning -> Department of Marine Ecology -> Faculty of Oceanography and Geography -> Rector		
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. Urszula Janas, prof. UG	
	Teachers		

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	0.0	0.0	20.0	0.0	0.0	20

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	20	2.0	28.0	50

Subject objectives

Developing knowledge of methods of inventory and valorization of coastal and marine areas, predicting the effects of human impact on the functioning of marine biotopes, and seeking solutions to reduce the negative impact of the planned project on the marine environment.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[OCEANL3-K03] is ready to exercise caution and criticism in accepting information from scientific literature, the Internet and other media relating to natural sciences	He or she is ready to exercise caution and criticism in accepting information from scientific literature, the Internet and other media relating to the inventories, valorization, and in assessing the impacts of investments on the marine environment.	[SK2] presentation/project/paper/ report
[OCEANL3-U04] is able to independently search for information in Polish and foreign specialist literature, as well as on the Internet and in databases	He or she is able to independently search for information in Polish and English-language specialized literature, as well as in the Internet and databases in the field of inventories and natural valorization and assessments of the impact of investments on the marine environment	[SU2] presentation/project/paper/ report
[OCEANL3-U06] is able to formulate and solve advanced problems related to the functioning of individual components of the marine environment, using knowledge from various fields and scientific disciplines	He or she is able to define and find solutions to complex problems concerning the marine environment by integrating knowledge from different fields and scientific disciplines.	[SU2] presentation/project/paper/ report

<table>
<tr><td>Subject contents</td><td>Selection and use of available sources of information on the marine environment for studies.Selection of research methods for environmental inventory and valorization. Interpretation of available research results and literature data. Inventory and nature valorization of a selected marine area (case study). Prediction of the impact of a selected investment on the marine environment (case study).</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>Preparation and presentation of credit works</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>Gray J. S., Elliott M., 2009, Ecology of Marine Sediments-from science to Management, Oxford Univerity Press, 225 str.</td></tr>
<tr><td>Supplementary literature</td><td>Kruk-Dowgiałło, L., (red) 2000. Przyrodnicza waloryzacja morskich części obszarów chronionych HELCOM BSPA województwa pomorskiego, tom 3, Nadmorski Park Krajobrazowy. CRANGON 7, CBM PAN w Gdyni, pp: 53-55.

Gic-Grusza, G., Kryla-Staszewska, L., Urbanski, J., Warzocha, J., Weslawski, J.M., (Red.). 2009. Atlas siedlisk dna polskich obsza-rów morskich. Waloryzacja przyrodnicza siedlisk morskich, Broker-Innowacji, Gdynia. pp: 179</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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