

**Subject card**

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

Subject contents	<p>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).</p>		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Preparation and presentation of credit works	51.0%	100.0%
Recommended reading	Basic literature	Gray J. S., Elliott M., 2009, Ecology of Marine Sediments-from science to Management, Oxford University Press, 225 str.	
	Supplementary literature	<p>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.</p> <p>Gic-Grusza, G., Kryła-Staszewska, L., Urbanski, J., Warzocha, J., Wesławski, J.M., (Red.). 2009. Atlas siedlisk dna polskich obszarów morskich. Waloryzacja przyrodnicza siedlisk morskich, Broker-Innowacji, Gdynia. pp: 179</p>	
	eResources addresses		
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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