

Subject card

Subject name and code	Bioindication and biomonitoring of water - field exercises, PG_00091515						
Field of study	Water Management and Protection of Water Resources						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2026/2027		
Education level	Bachelor's studies		Subject group		Obligatory subject group in the field of study Subject group related to scientific research in the field of study Subject group related to practical vocational preparation		
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		1.0		
Learning profile	practical		Assessment form				
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 Halina Kendzierska				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	15.0	0.0	0.0	0.0	15
	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	15		10.0		0.0	25
Subject objectives	The development of knowledge on assessing the risks of aquatic ecosystems related to human activities, seeking solutions to achieve sustainable management of aquatic areas and to improve the quality of aquatic ecosystems. The learning and selection of methods methods for the biological assessment of aquatic environmental quality and sustainability.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[GWOZWL3-U02] select and independently apply basic research techniques and tools, with adhering to established analytical procedures in the field of environmental research in water management, adequately to the considered research problem		Ability to select basic research techniques and tools, following established analytical procedures for water biomonitoring		[SU2] presentation/project/paper/report		
Subject contents	B.1. Field surveys in the selected area: river and/or coastal zone of the Gulf of Gdansk: observation, inventory and sample collection; B.2. Visit to institutions conducting research used in biomonitoring i.e. Prof. Krzysztof Skóra Marine Station, IMGW, WIOŚ.						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	assesment work, raports		51.0%		90.0%		
	activity in class, being prepared for class		51.0%		10.0%		

Recommended reading	Basic literature	Kołodziejczyk, A., Koperski, P., 2000. Freshwater invertebrates of Poland. Klucz do oznaczania oraz podstawy biologii i ekologii makrofauny. University of Warsaw Publishing House. Sea Water Monitoring Programme, Report to the European Commission, 2014, Prepared by the Chief Inspector of Environmental Protection, Warsaw. Wiech A.K., Marciniewicz-Mykieta M., Toczko B., 2018, San environment in Poland Report 2018, Inspekcja Ochrony Środowiska, Biblioteka Environmental Monitoring, Warsaw
	Supplementary literature	Herbich J. (red.) 2004. Siedliska morskie i przybrzeżne, nadmorskie i śródlądowe solniska i wydmy w Poradniki ochrony siedlisk i gatunków Natura 2000 podręcznik metodyczny, Ministerstwo Środowiska, Warszawa. T. 1, http://natura2000.mos.gov.pl/natura2000/pl/poradnik.php#1
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

Document generated electronically. Does not require a seal or signature.