

Subject card

Subject name and code	Biological assessment of marine ecosystem health - laboratory exercises, PG_00054207						
Field of study	Oceanography						
Date of commencement of studies	October 2024	Academic year of realisation of subject			2024/2025		
Education level	postgraduate studies	Subject group			Obligatory subject group in the field of study		
Mode of study	full-time studies	Mode of delivery			at the university		
Year of study	1	Language of instruction			Polish		
Semester of study	1	ECTS credits			2.0		
Learning profile	academic	Assessment form					
Conducting unit	Katedra Ekologii Morza -> Faculty of Oceanography and Geography						
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	0.0	15.0	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		25.0	50
Subject objectives	To develop an understanding of the assessment of threats to the marine environment from human activities. The learning and selection of methods to biologically assess the quality and sustainability of the marine environment and the effects of stressors on the behaviour and physiological processes of marine animals.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[OCEANMU2-U04] is ready to develop in an analytical and synthetic way research and analysis results and based on them creating conclusions		K_U04 is able to elaborate analytically and synthetically on the results of studies and analyses and, on the basis of these, to make correct inferences concerning the biological assessment of the quality of the marine environment.		[SU2] presentation/project/paper/report [SU3] text preparation/written work [SU5] implementation of a problem task [SU8] observation of student's independent or team work		
Subject contents	B.1 Assessment of marine environmental quality based on studies of benthic communities; B.2 Assessment of marine environmental quality based on studies of marine biotopes; B.3 Laboratory studies using biomarkers.						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	assignment papers, reports		51.0%		100.0%		
Recommended reading	Basic literature		DellOmo G., 2002. Behavioural Ecotoxicology, John Wiley & Sons Ltd, Chichester, UK Gray J., Elliott M., 2010, Ecology of Marine sediments from science to management, Oxford University Press. Walker C.H., Hopkin S.P., Sibly R.M., Peakall D.B., 2002. Podstawy ekotoksykologii, Wyd. PWN, Warszawa				
	Supplementary literature		-				
	eResources addresses		Podstawowe http://www.helcom.fi - Studies on the state of the Baltic Sea environment. Adresy na platformie eNauczanie:				

Example issues/ example questions/ tasks being completed	
Work placement	Not applicable

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