

Subject card

Subject name and code	High value-added products - lectures, PG_00075899						
Field of study	Aquaculture – Business And Technology						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2027/2028		
Education level	Bachelor's studies		Subject group				
Mode of study	full-time studies		Mode of delivery		at the university		
Year of study	3		Language of instruction		Polish		
Semester of study	6		ECTS credits		1.0		
Learning profile	practical		Assessment form		credit		
Conducting unit	Laboratory of Marine Biotechnology -> Department of Marine Biology and Biotechnology -> Faculty of Oceanography and Geography -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		prof. dr hab. Hanna Mazur-Marzec				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	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		2.0		10.0	27
Subject objectives	Basic knowledge on application of aquaculture living resources as source material to obtain high added value products						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[AKWAL3_W01] knows and understands the relationship between the achievements in the selected fields of science and disciplines of natural sciences, and the possibility of their application in socio-economic life		Student knows and understands the link between the latest achievements in biotechnology and the ability to use aquaculture as a source of products of high added value		[SW4] test/exam - oral or written		
	[AKWAL3_W06] knows and discusses techniques, research methods and tools used in aquaculture		Student knows basic methods and tools used in analysis of natural products		[SW4] test/exam - oral or written		
Subject contents	Methods used to obtained high added value products (HAVP) from aquatic organisms - extraction and isolation methods; Biotechnological application of aquaculture products: fatty acids, lipids, polisaccharides, proteins, pigments as HAVP.						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	writing test		51.0%		100.0%		
Recommended reading	Basic literature		Scientific papers suggested by teacher				
	Supplementary literature		Scientific papers suggested by teacher				
	eResources addresses						
Example issues/ example questions/ tasks being completed							
Work placement	Not applicable						

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