University of Gdańsk

Subject card

Subject name and code	High Value-added Products - lecture, PG_00201262		
Field of study	Aquaculture – Business And Technology		
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
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	1.0	9.0	25

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] has an advanced understanding of the links between achievements in selected fields of science and natural science disciplines, and their potential applications 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] has an advanced understanding of 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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