University of Gdańsk

Subject card

Subject name and code	Application of Products from Aquaculture - lecture, PG_00201268		
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 Subject group related to practical vocational preparation
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	2.0
Learning profile	practical	Assessment form	credit
Conducting unit	Laboratory of Plankton Biology -> Department of Marine Biology and Biotechnology -> Faculty of Oceanography and Geography -> Rector		
Name and surname of lecturer (lecturers)	Subject supervisor	dr Anna Panasiuk	
	Teachers		

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	30.0	0.0	0.0	0.0	0.0	30

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	30	1.0	10.0	41

Subject objectives

The aim of the course is to familiarize students with direct and indirect products originating from aquaculture.

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	zna i rozumie związki między osiągnięciami wybranych dziedzin nauk i dyscyplin nauk przyrodniczych, a możliwością ich wykorzystania w życiu społeczno-gospodarczym	[SW4] test/exam - oral or written
[AKWAL3_W06] has an advanced understanding of techniques, research methods and tools used in aquaculture	knows and discusses techniques, research methods and tools used in aquaculture related to the use of aquaculture products	[SW4] test/exam - oral or written
[AKWAL3_W11] knows and understands the key concepts and principles of industrial property protection and copyright law	knows and understands the basic concepts and principles of industrial property protection and copyright	[SW4] test/exam - oral or written

Subject contents

1. Food raw materials obtained from commercially bred marine and freshwater organisms. 2. Origin of the use of aquaculture products in the global and European context history, trends. 3. Types of aquaculture products obtained from representatives of ichthyofauna, crustaceans, molluscs and algae and their use. 4. Other aquaculture products (e.g. reptiles, echinoderms, etc.) and their use. 5. Parameters influencing the quality and manner of using aquaculture products types of product control. 6. Natural and anthropogenic factors reducing the quality of aquaculture products food quality and safety.

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
test	51.0%	100.0%

Recommended reading	Basic literature	- Boyd C., McNevin A., 2015. Aquaculture, Resource Use, and the Environment, Wiley-Blackwell - Dunham R.A., 2004. Aquaculture and Fisheries Biotechnology. CABI Publishing - Fletcher G.L., Rise M.L. (ed.), 2011. Aquaculture Biotechnology. John Wiley & Sons -Kodeks dobrych praktyk produkcyjnych w przetwórstwie ryb. Gdynia: MIRPIB pod redakcją Szulecka O. (red.). MIR. 2020. - Lekang O.-I., 2013, Aquaculture Engineering, Wiley-Blackwell. - Lucas J.S., 2012. Aquaculture: Farming Aquatic Animals and Plants, Wiley-Blackwell -Julien R. Stevens, Richard W. Newton, Michael Tlusty, David C. Little. 2018. The rise of aquaculture by-products: Increasing food production, value, and sustainability through strategic utilisation, Marine Policy,Volume 90 (115-124), https://doi.org/10.1016/j.marpol.2017.12.027.
	Supplementary literature	- Brown N., Eddy J., 2015. Echinoderm Aquaculture, Wiley-Blackwell
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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