

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_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		
	[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_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		
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	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> -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 <ul style="list-style-type: none"> -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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