University of Gdańsk

Subject card

Subject name and code	Application of Products from Aquaculture - laboratory classes, PG_00201267		
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	1.0
Learning profile	practical	Assessment form	credit
Conducting unit	Department of Marine Biology and Biotechnology -> Faculty of Oceanography and Geography -> Rector		
Name and surname of lecturer (lecturers)	Subject supervisor	dr Justyna Kobos	
	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	1.0	9.0	25

Subject objectives

The aim of the classes is to familiarize students with direct and indirect products from aquaculture

Learning outcomes

Course outcome	Subject outcome	Method of verification
[AKWAL3-U04] can select and use available sources of information, and understand the literature on aquaculture in a broad sense	can interact and work in a group, taking on different roles	[SU1] oral statement/conversation/ discussion
[AKWAL3-U12] can interact and work in a group, and assume different roles	Is able to interact and work in a group, taking on different roles	[SU1] oral statement/conversation/ discussion
[AKWAL3-U06] can apply basic techniques and technological processes related to the use of elements of the environment for practical purposes	Knows and discusses techniques, research methods and tools used in aquaculture	[SU1] oral statement/conversation/ discussion
[AKWAL3-K04] is ready to identify and recognize dilemmas connected with the profession and understands the need to improve professional competence	identifies and perceives the challenges and dilemmas of practicing a profession using aquaculture products in the future and understands the need to improve professional competence	[SK1] oral statement/conversation/ discussion

Subject contents

The problems of the exercises are related to the issues:

1. Raw materials obtained from commercially farmed marine and freshwater organisms.

2. Parameters affecting the quality and use of products from aquacultures.

3. Use of products from aquaculture with low added value.

4. Enhancing the value of fishery and aquaculture products

<table>
<tr><td>Prerequisites and co-requisites</td><td></td></tr>
<tr><td>Assessment methods and criteria</td><td>
<table>
<tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr>
<tr><td>determining the final mark on the basis of the partial marks awarded during the semester</td><td>51.0%</td><td>50.0%</td></tr>
<tr><td>completion of the final assignment – a project or a presentation</td><td>51.0%</td><td>50.0%</td></tr>
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</td></tr>
<tr><td rowspan="3">Recommended reading</td><td>Basic literature</td><td>Lekang O-I, 2013, Aquaculture Engineering. Willey-Blackwell

Tucker C.S (red.), 2019, Aquaculture: Farming Aquatic Animals and Plants. Willey

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.</td></tr>
<tr><td>Supplementary literature</td><td>Recent scientific articles on the topics covered in the classes.</td></tr>
<tr><td>eResources addresses</td><td></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td></td></tr>
<tr><td>Work placement</td><td>Not applicable</td></tr>
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