University of Gdańsk

Subject card

Subject name and code	History of Development of Aquaculture - seminar, PG_00202190		
Field of study	Aquaculture – Business And Technology		
Date of commencement of studies	October 2026	Academic year of realisation of subject	2026/2027
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	1	Language of instruction	Polish
Semester of study	1	ECTS credits	2.0
Learning profile	practical	Assessment form	credit
Conducting unit			
Name and surname of lecturer (lecturers)	Subject supervisor	dr Ligia Panasiak	
	Teachers	dr Ligia Panasiak	

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	2.0	18.0	50

Subject objectives

The aim of the course is to familiarize the student with the history and development of global aquaculture, as well as examples of aquaculture in Pomerania.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[AKWAL3-U12] can interact and work in a group, and assume different roles	Group work on a given topic, collaboratively developing available materials	[SU2] presentation/project/paper/ report
[AKWAL3-U04] can select and use available sources of information, and understand the literature on aquaculture in a broad sense	The correct selection of literature in the field of aquaculture and its proper use in preparing a presentation on a given topic	[SU2] presentation/project/paper/ report
[AKWAL3-U14] can independently plan and initiate their lifelong learning	Independently identifies development needs, plans the learning process and takes initiatives to systematically expand knowledge and competences	[SU1] oral statement/conversation/ discussion
[AKWAL3-U10] can prepare an oral presentation of scientific nature or a short description of research done during classes, using appropriate scientific terminology, in Polish or English	Preparing a presentation in Polish/ English on a given topic, including scientific terminology	[SU2] presentation/project/paper/ report
[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	Understanding and recognizing the connections between scientific and natural disciplines and their potential applications in aquaculture	[SW1] oral statement/ conversation/discussion

<table>
<tr><td>Subject contents</td><td>A. Seminar:

A1. History of aquaculture from ancient to modern times.

A2. Trends in the development of contemporary aquaculture worldwide.

A3. Contemporary aquaculture in:

• Asia
• North and South America
• Africa
• Europe A4. Development and current status of aquaculture in Poland.
• A5. Global and EU policies in aquaculture.</td></tr>
<tr><td>Prerequisites and co-requisites</td><td>none</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>preparation of presentation</td><td>51.0%</td><td>100.0%</td></tr></table></td></tr>
<tr><td>Recommended reading</td><td><table><tr><td>Basic literature</td><td>Biegała Z., 2014. Sustainable development of aquaculture as an alternative future for the fish processing sector. Local Government Yearbook 3, 12-25.

Hishamunda N., Bueno P.B., Ridler N., Yap W.G., 2009. Analysis of aquaculture development in Southeast Asia: a policy perspective. FAO Fisheries and Aquaculture Technical Paper. No. 509. Rome, FAO, 2009, 69 pages.

Rabanal H.R., 1988. History of aquaculture. ASEAN/UNDP/FAO Regional Small-Scale Coastal Fisheries Development Project, Manila, Philippines ASEAN/SF/88/Tech. 7.

Rana K.J., 2007. Regional Review on Aquaculture Development 6. Western-European Region 2005. FAO Fisheries Circular No. 1017/6, ISSN 0429-9329.

Varadi L., Szucs I., Pekar F., Blokhin S., Csavas I., 2001. Aquaculture development trends in Europe. In: Subasinghe R.P., Bueno P.B., Phillips M.J., Hough C., McGladdery S.E., Arthur J.R. (eds.) Aquaculture in the Third Millennium - Technical Proceedings of the Conference on Aquaculture in the Third Millennium, pp. 397416. Bangkok, Thailand. 2025 February 2000. NACA, Bangkok and FAO, Rome. 471 pp.

General literature, reports, and national studies on the cultivation of aquatic organisms.</td></tr><tr><td>Supplementary literature</td><td>Bostock, J., McAndrew, B., Richards, R., Jauncey, K., Telfer, T., Lorenzen, K., ... & Corner, R. (2010). Aquaculture: global status and trends. Philosophical Transactions of the Royal Society B: Biological Sciences, 365(1554), 2897-2912.ArechavalaLopez, P., CabreraÁlvarez, M. J., Maia, C. M., & Saraiva, J. L. (2022). Environmental enrichment in fish aquaculture: A review of fundamental and practical aspects. Reviews in Aquaculture, 14(2), 704-728.Ciji, A., & Akhtar, M. S. (2021). Stress management in aquaculture: A review of dietary interventions. Reviews in Aquaculture, 13(4), 2190-2247.</td></tr><tr><td>eResources addresses</td><td></td></tr></table></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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