University of Gdańsk

Subject card

Subject name and code	Aquaristics and Fishing - lecture, PG_00201236						
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 Subject group related to practical vocational preparation			
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	1.0			
Learning profile	practical		Assessment form	credit			
Conducting unit	Laboratory of Aquaculture -> Department of Marine Biology and Biotechnology -> Faculty of Oceanography and Geography -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Marcin Kuciński				
	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	1. Introducing students to the basics of breeding aquarium plants and animals, both marine and freshwater, 2. Introducing students to the techniques of breeding and feeding exotic aquarium fish species, 3. Introducing students to the basic techniques of freshwater and marine angling, 4. Presenting the social and economic significance of angling, as well as identifying the opportunities, challenges, and threats associated with managing open waters for angling purposes.						

Learning outcomes			
	Course outcome	Subject outcome	Method of verification
	[AKWAL3-W12] knows and understands the role of aquaculture in the modern economy and its impact on the natural environment	Students understand the economic and social significance of aquaristics and fishing. They perceive the opportunities, challenges, and threats arising from running aquarium breeding operations and managing open waters for fishing purposes. Students know and understand the role of recreational use of fish in the modern economy and its impact on the natural environment.	[SW4] test/exam - oral or written
	[AKWAL3-U04] can select and use available sources of information, and understand the literature on aquaculture in a broad sense	Students apply the basic research techniques and technological processes related to the use of environmental elements for practical purposes.	[SU1] oral statement/conversation/ discussion [SU4] test/exam - oral or written
	[AKWAL3-K04] is ready to identify and recognize dilemmas connected with the profession and understands the need to improve professional competence	Students are able to identify and recognize the dilemmas related to their professional activities in future and understand the necessity of life-long learning in their chosen discipline.	[SK1] oral statement/conversation/ discussion [SK4] test/exam - oral or written
	[AKWAL3_W06] has an advanced understanding of techniques, research methods and tools used in aquaculture	The student knows and discusses techniques, research methods and tools used in aquaristics and fishing.	[SW4] test/exam - oral or written
	[AKWAL3_W03] has an advanced understanding of the conceptual categories and terminology related to the biological basis of aquatic organisms breeding, as well as concepts directly relevant to the practical applications of this knowledge	Student know and understand the conceptual categories and terminology regarding the biological basis of breeding aquatic organisms, as well as concepts directly related to the application of this knowledge in aquaristics and fishing	[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	Student know and understand the relationships between the achievements of selected fields of science and natural sciences, and the possibility of using them in aquaculture and fishing.	[SW4] test/exam - oral or written

Subject contents	1. basic information in the field of aquaristics: breeding conditions for domestic and exotic organisms 2. technical equipment in aquarium cultures: types of tanks, water heating and purification devices 3. principles of breeding organisms in aquariums: basic species of animals and plants grown in aquariums 4. marine and freshwater aquariums 5. care and maintenance of fish, invertebrates and aquarium plants 6. reproduction of aquarium organisms 7. prevention and treatment of aquarium fish 8. basic knowledge of fishing 9. fishing methods in sea and freshwater fishing 10. fishing and fish species protection
Prerequisites and co-requisites	Basic knowledge in the field of fish biology

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Obserwacja	51.0%	25.0%
	Test	51.0%	75.0%
Recommended reading	Basic literature	- Skrzypecka J., Skrzypecki T. 2002. Akwarium morskie. Wyd. Hoża. - Schliewen U. Ryby akwariowe od A do Z, wyd. Delta W-Z. - Dreyer S., Keppler R. 2000. Akwarium słodkowodne. Wyd. Oficyna wydawnicza MULTICO. - Zukal R., Rataj K.1973r., "Ryby i rośliny akwariowe", wyd. PWRiL, Warszawa - Kahl W.,Kahl B., Vogt D., 1997r., "Atlas ryb akwariowych", wyd. Wyd. Delta W-Z, Warszawa - Paruzel A. 2014. Wędkarstwo polskie, Podręczny poradnik. Wyd. Publicat. - Wilson J. 2013. 1001 porad wędkarskich. Wyd. Bellona. - Gollner A. 2014. Wędkarstwo dla początkujących i zaawanasowanych. Wyd. Delta W-Z.	
	Supplementary literature	- Specialized journals: Nasze akwarium, Wędkarski świat, Wiadomości wędkarskie, Wędkarz polski.	
	eResources addresses		
Example issues/ example questions/ tasks being completed	1. Classification and characteristics of aquariums based on their purpose, 2. Dutch aquariums, 3. Essential technical equipment for aquarium breeding, 4. Principles of designing and setting up freshwater and marine aquariums, 5. Basic species of animals and plants bred in aquariums, 6. Care and maintenance of aquarium organisms, 7. Breeding aquarium fish and the first food for hatchlings, 8. Legal and economic conditions of fishing in Poland, 9. Overview of basic fishing gear and preparation of fishing setups for various fishing techniques, 10. Natural baits and fishing groundbaits, 11. Artificial lures, imitations of fish and aquatic invertebrates.		
Work placement	Not applicable		

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