

Subject card

Subject name and code	Practical placement (laboratory), PG_00156213						
Field of study	Aquaculture – Business And Technology						
Date of commencement of studies	October 2024		Academic year of realisation of subject		2026/2027		
Education level	undergraduate studies		Subject group				
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		5.0		
Learning profile	practical		Assessment form				
Conducting unit	Pracownia Akwakultury -> Katedra Biologii Morza i Biotechnologii -> Faculty of Oceanography and Geography						
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	0.0	125.0	0.0	0.0	0.0	125
	E-learning hours included: 0.0						
	Additional information: Experiment design,						
	Conducting experiments						
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	125		15.0		0.0	140
Subject objectives	1. Understanding the specifics of work in a laboratory studying cultured organisms. 2. Linking theoretical knowledge acquired during studies with its practical application in the laboratory analysis of aquaculture organisms. 3. Improving skills in organizing one's own work, teamwork, effective time management, and responsibility for assigned tasks in analytical laboratory conditions.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[AKWAL3-U01] can plan and perform simple tasks under supervision or independently in the analysis of the aquatic environment, using appropriate methods of description and identification	Students are able to plan and execute simple tasks under supervision and independently in laboratory analysis using appropriate methods of description and identification	[SU7] entries and opinions in the internship diary
	[AKWAL3-U12] can interact and work in a group, and assume different roles	Students are able to cooperate and work within a team of scientists and lab technicians, assuming various roles	[SU7] entries and opinions in the internship diary
	[AKWAL3_W09] knows and understands the aquacultural activities that are the object of the plant / enterprise	Students understand and comprehend the tasks related to laboratory analysis	[SW2] presentation/project/paper/report
	[AKWAL3_W08] knows and understands the basic principles of health and safety in the laboratory, at sea and on land	Students define basic principles of safety and hygiene during laboratory analyses	[SW2] presentation/project/paper/report
	[AKWAL3_W07] knows and understands the system of organization of work and management of teams in enterprises or scientific institutions	Students understand the system of organizing work and managing human teams in an analytical/ experimental laboratory	[SW2] presentation/project/paper/report
	[AKWAL3-U13] can independently organize their work and critically assess progress	Students are capable of independently organizing their work in laboratory conditions and critically evaluating the progress of their tasks	[SU7] entries and opinions in the internship diary
	[AKWAL3-K02] is ready to take responsibility for the work of the team and its safety; knows how to make decisions and how to act in different situations	Students are ready to take responsibility for the laboratory team's work, safety, can make decisions, and act in various situations	[SK7] entries and opinions in the internship diary
	[AKWAL3-K01] is ready to assess the risks and threats stemming from working in the laboratory and is responsible for the equipment and teaching materials entrusted to them and for the safety of their own work and that of others	Students are prepared to assess the risks and hazards associated with working in the laboratory and is responsible for the entrusted equipment and teaching materials, as well as for the safety of their own work and others	[SK7] entries and opinions in the internship diary
	[AKWAL3-K05] student is ready to appreciate the practical application of acquired knowledge	Students are ready to appreciate the practical application of the knowledge acquired during laboratory analyses.	[SK7] entries and opinions in the internship diary
Subject contents	- Biochemistry/physiology of organisms cultured in aquaculture conditions, - Genetics and reproduction of fish, - Genetics and toxicology of aquatic invertebrates, - Microbiology, - Ecology, - Phycology.		
Prerequisites and co-requisites	Knowledge of basic laboratory-analytical techniques as well as aquaculture and biology of aquatic cultured organisms. The ability to obtain and secure materials for research.		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Positive feedback on the internship experience, correctness, and completeness of the internship journal	51.0%	75.0%
	Preparation and presentation of a report on the completed professional internship	51.0%	25.0%
Recommended reading	Basic literature	Protocols for laboratory analyses available in individual laboratories.	
	Supplementary literature	Other materials related to laboratory analyses available in individual laboratories. Articles on laboratory work, e.g., Aquaculture Research.	

	eResources addresses	Adresy na platformie eNauczenie:
Example issues/ example questions/ tasks being completed	Not applicable	
Work placement	Not applicable	

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