University of Gdańsk

Subject card

Subject name and code	Information technology in aquaculture - laboratory exercises, PG_00054119		
Field of study	Aquaculture – Business And Technology		
Date of commencement of studies	October 2024	Academic year of realisation of subject	2024/2025
Education level	undergraduate studies	Subject group	
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	3.0
Learning profile	practical	Assessment form	
Conducting unit	Pracownia Systemów Informacji Geograficznej - GIS -> Faculty of Oceanography and Geography		
Name and surname of lecturer (lecturers)	Subject supervisor	dr Maciej Markowski	
	Teachers	dr Maciej Markowski	

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	0.0	0.0	30.0	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	15.0	30.0	75

Subject objectives

The aim of the course is to acquire the knowledge and competencies described in the program content, which are essential for further education in the Aquaculture - Business and Technology (ABiT) program.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[AKWAL3-U05] can apply basic statistical methods as well as algorithms and computer techniques to describe phenomena and analyze data that are typical in socio-economic activity based on natural sciences	Student can apply basic IT techniques to describe phenomena and analyze data typical of socio-economic activities based on natural sciences, including aquaculture. Contents: 1-6.	[SU2] presentation/project/paper/ report [SU4] test/exam - oral or written
[AKWAL3_W06] knows and discusses techniques, research methods and tools used in aquaculture	Studet knows and discusses techniques, research methods, and tools used in Information Technologies in aquaculture. Contents: 1-6.	[SW4] test/exam - oral or written
[AKWAL3-U13] can independently organize their work and critically assess progress	Student can independently organize their work and critically assess its progress. Contents: 1-6.	[SU2] presentation/project/paper/ report [SU4] test/exam - oral or written
[AKWAL3-U12] can interact and work in a group, and assume different roles	Student can collaborate and work in a group, taking on various roles. Contents: 2 and 6.	[SU2] presentation/project/paper/ report [SU4] test/exam - oral or written
[AKWAL3-K05] student is ready to appreciate the practical application of acquired knowledge	Student is ready to appreciate the practical application of acquired knowledge. Contents: 1-6.	[SK2] presentation/project/paper/ report [SK4] test/exam - oral or written

Subject contents	1. Office software suites. 2. Flowcharts - project during classes. 3. File formats used in data analysis and introduction to databases. 4. Spreadsheet, spreadsheet functions. 5. Data preparation and statistical data processing. 6. Data visualization, including spatial data.
Prerequisites and co-requisites	

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
	51.0%	66.66%
	51.0%	33.34%

Recommended reading

Basic literature	Przeździecki K., Sikorski W., Treichel W., Technologie informacyjne dla studentów, 2017, Wyd. Witkom.
Supplementary literature	Ścięžor T., Technologia Informacyjna dla studentów Inżynieria Środowiska Politechniki Krakowskiej, 2016, Politechnika Krakowska. Gurbiel E. i inni, Technologia informacyjna.
eResources addresses	Adresy na platformie eNauczanie:

Example issues/ example questions/ tasks being completed	
Work placement	Not applicable

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