University of Gdańsk

Subject card

Subject name and code	Work placement, PG_00206762		
Field of study	Genetics and Experimental Biology		
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
Mode of study	full-time studies	Mode of delivery	at the university
Year of study	3	Language of instruction	Polish
Semester of study	5	ECTS credits	4.0
Learning profile	academic	Assessment form	credit
Conducting unit			
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. Marcin Górniak	
	Teachers		

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	0.0	6.0	90.0	0.0	0.0	96

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	96	0.0	4.0	100

Subject objectives

1. Understanding the specifics of work in various positions,

2. Developing specific professional skills directly related to the place of internship,

3. Improving skills in organizing one's own work, teamwork, effective time management, diligence, and responsibility for assigned tasks,

4. Discovering one's own potential in the job market, establishing professional contacts to be utilized when seeking employment.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[GBEL3_U07] The graduate is able to: work as part of a team and organise work in accordance with the principles of occupational health and safety and ergonomics.	The student is able to work in a team and organize work while adhering to health and safety regulations and ergonomics principles.	[SU7] entries and opinions in the internship diary
[GBEL3_U04] The graduate is able to: read scientific texts in English and Polish with comprehension, synthesise the knowledge they contain, prepare well-documented papers on biological problems and on the commercialisation of research.	The student is able to read and comprehend scientific texts in both English and Polish, synthesize the knowledge contained within them, and prepare well-documented studies on biological issues as well as on the commercialization of research.	[SU2] presentation/project/paper/ report [SU7] entries and opinions in the internship diary
[GBEL3_K08] The graduate is prepared to: takes responsibility for equipment/materials entrusted to it and respects the work of others.	The student is ready to take responsibility for the entrusted equipment/materials.	[SK7] entries and opinions in the internship diary
[GBEL3_K06] The graduate is prepared to: honesty and integrity in scientific and professional work.	The student is ready to demonstrate honesty, integrity, and adhere to the principles of etiquette in their professional work.	[SK7] entries and opinions in the internship diary
[GBEL3_K05] The graduate is prepared to: responsibility for their own and others' safety at work	The student is ready to comply with the principles of occupational safety.	[SK7] entries and opinions in the internship diary
[GBEL3_K01] The graduate is prepared to: use of theoretical knowledge in laboratory and production practice	The student is ready to apply theoretical knowledge in laboratory and production practice.	[SK7] entries and opinions in the internship diary
[GBEL3_K03] The graduate is prepared to; think and act in an entrepreneurial manner.	The student is ready to adhere to the principles of workplace safety.	[SK7] entries and opinions in the internship diary

Subject contents

Laboratory analysis and medical diagnostics: Physical and chemical methods for analyzing the natural environment, food, water, and living organisms. Biochemical, genetic, and immunological methods for studying organisms, their life parameters, and disease substrates, such as quantitative and qualitative chemical analysis, parameters of aqueous solutions, ionizing radiation, spectroscopic, chromatographic, electroanalytical methods, blood morphology, urine analysis, metabolic tests, hormone levels, immunological and genetic tests, interpretation of obtained results, etc. **Genetics, molecular biology, biotechnology, microbiology, and physiology:** Gene isolations, transplantations, and transformations, molecular markers, genetic engineering, genome sequencing, in vitro cultures, micromanipulation techniques, immunological techniques and tests, microorganism identification, DNA resistance and mutations, viral infections, ecotoxicology, microbial utilization in biotechnology, interpretation of obtained results, etc. **Ecology, environmental protection, and conservation genetics**: Methods for studying biodiversity, evolutionary processes, species and environmental protection, such as studies on levels of biological diversity, interactions between organisms in ecological formations, dynamics of population changes, molecular identification of organisms, introduction and invasive organisms and their impact on native ecosystems, toxins, herbal resources, active nature protection methods, population and conservation genetics methods, indicator organisms, applied bioassays, indicators of soil and environmental degradation, waste utilization methods, production of environmentally friendly fuels and energy, water and air purification, etc.

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Evaluation of professional internships at the workplace.	51.0%	75.0%
Multimedia presentation	51.0%	25.0%

Recommended reading

Basic literature	Literature recommended by the internship supervisor at the workplace.
Supplementary literature	None
eResources addresses	

Example issues/ example questions/ tasks being completed

None

Work placement

Not applicable