University of Gdańsk

Subject card

Subject name and code	Diploma workshop, PG_00117631						
Field of study	Genetics and Experimental Biology						
Date of commencement of studies	October 2023		Academic year of realisation of subject		2025/2026		
Education level	Bachelor's studies		Subject group		Obligatory subject group in the field of study Optional 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		8.0		
Learning profile	academic		Assessment form		credit		
Conducting unit	Department of Evolutionary Genetics and Biosystematics -> Faculty of Biology -> Rector						
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	0.0	90.0	0.0	0.0	90
	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	90		0.0		0.0	90
Subject objectives	Introduction of students to research methods and tools used in experimental scientific work in the field of genetics and related disciplines. Acquisition of skills in developing a research plan, as well as in analyzing research results and presenting them concisely, including in English						

Learning outcomes

Course outcome	Subject outcome	Method of verification
[GBEL3_U08] The graduate is able to: study the literature independently and plan your own career path	Student is able to independently study the literature and plan their own professional career path.	[SU2] presentation/project/paper/ report
[GBEL3_U01] The graduate is able to: independently perform practical tasks in the biological and related sciences, formulate research problems, analyse their results and draw conclusions.	Student is able to independently perform simple practical tasks in the field of biological sciences and related disciplines, formulate research problems, analyze their results, and draw conclusions.	[SU6] demonstration of practical skills [SU8] observation of student's independent or team work
[GBEL3_W05] A graduate has an advanced knowledge and understanding of: principles for planning research based on the achievements of biological sciences and related disciplines and the possibility of putting their results into practice, principles for the operation of equipment and apparatus used in molecular genetics research, and the principle of interpreting biological phenomena and processes based on empirical data in research work and practical action, taking into account the sustainable use of biodiversity	Student has knowledge of the principles of planning research based on achievements in the biological sciences and related disciplines, the possibilities of applying research results in practice, the principles of operation of equipment and instrumentation used in molecular genetics research, as well as the interpretation of biological phenomena and processes based on empirical data in research work and practical activities, with consideration of the sustainable use of biological diversity.	[SW1] oral statement/ conversation/discussion [SW5] implementation of a problem task
[GBEL3_W07] A graduate has an advanced knowledge and understanding of: principles for presenting results and raising funds for research and its commercialisation	Student has knowledge of the basic principles of presenting results and obtaining funding for research and its commercialization, and is able to independently propose a simple research or research and development (R&D) project.	[SW2] presentation/project/paper/ report
[GBEL3_K02] The graduate is prepared to: critically evaluate their own knowledge and methods in molecular biology and related fields and commercialise their research.	Student is prepared to critically evaluate their own knowledge and methods in the field of molecular biology and related disciplines, as well as issues related to the commercialization of research.	[SK5] implementation of a problem task
[GBEL3_K01] The graduate is prepared to: use of theoretical knowledge in laboratory and production practice	Student is prepared to apply theoretical knowledge in laboratory and industrial practice.	[SK5] implementation of a problem task [SK6] demonstration of practical skills

Subject contents

Practical application of research methods used in genetics and related disciplines. Planning and carrying out research tasks under the supervision of a mentor. Techniques for preparing scientific materials. Principles of planning and conducting a scientific experiment. Rules for using available scientific resources.

Prerequisites and co-requisites

Course completion requirements:
1. Students are required to attend classes; any absence must be justified in accordance with the Study Regulations of the University of Gdańsk.
2. A minimum attendance of 85% of classes is required to pass the practical classes.
3. Students are obliged to make up for any deficiencies in knowledge and skills resulting from absences independently, in the manner and within the timeframe specified by the course instructor.
The basis for course completion includes:
Completion of experimental tasks in a field specific to the department chosen by the student, and passing a test covering the knowledge related to these tasks.
Preparation of a diploma thesis in the form of a research or research-and-development project, based on materials provided by the thesis supervisor.
Presentation of a summary (abstract) of the thesis in English.

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Assessment of the diploma thesis.	51.0%	50.0%
Assessment of the student’s laboratory/independent work.	51.0%	50.0%

Recommended reading

Basic literature

Weiner J. 2006. Techniki pisania i prezentowania przyrodniczych prac naukowych. Przewodnik praktyczny. PWN, Warszawa.
Wojciechowski T., Doktór G. 1999. Jak pisać prace dyplomowe licencjackie i magisterskie: poradnik. WSZiM, Warszawa.

	Supplementary literature	Normando, D. (2014). Writing a scientific paper: Where to start from?. Dental Press Journal of Orthodontics, 19, 1 - 1. https://doi.org/10.1590/2176-9451.19.1.001-001.edt.
	eResources addresses	
Example issues/ example questions/ tasks being completed	None	
Work placement	Not applicable	

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