University of Gdańsk

Subject card

Subject name and code	Diploma seminar - research project, PG_00196962						
Field of study	Biotechnology						
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 Optional subject group Subject group related to scientific research 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	6		ECTS credits		5.0		
Learning profile	academic		Assessment form		credit		
Conducting unit	Intercollegiate Faculty of Biotechnology UG-MUG -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Andrea Lipińska				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	0.0	30.0	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		20.0		75.0	125
Subject objectives	The aim of the course is for students to acquire the skills: to search for and make practical use of original scientific publications in order to prepare a research project on scientific issues that are part of biotechnology in its broadest sense; to prepare, in written form, a research project that meets formal criteria; to use scientific language, specialist terminology and a conceptual apparatus appropriate to the description of the research project being developed.						

Learning outcomes

Course outcome	Subject outcome	Method of verification
[BIOTECHL3_U06] The graduate is able to prepare a targeted written study in Polish and/or English, covering detailed issues in the field of biotechnology, using scientific language, including specialist terminology and conceptual apparatus appropriate for biotechnology	The student Is able to prepare, under the supervision of the supervisor and the seminar leader, a written study in Polish and/or English, based on the model of a young researcher's research project proposal (such as NCN Preludium), correctly using scientific language, including specialist terminology and conceptual apparatus appropriate to the subject of work in the field of biotechnology.	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report [SU3] text preparation/written work
[BIOTECHL3_U02] The graduate is able to plan and organise work effectively, independently or as part of a team, in particular work in a laboratory	Establishes and applies own work preparation schedule, meets deadlines, and evaluates theses as part of the class group team.	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report [SU3] text preparation/written work
[BIOTECHL3_U04] The graduate is able to search for, analyse and use scientific information, also in English, in the field of biotechnology in the fields of exact and natural sciences and medical and health sciences; uses electronic sources; has advanced skills in using appropriate databases.	Independently and with the help of supervisors, the student correctly selects literature, including English-language literature, relating to the subject of the thesis in the field of biotechnology and medical sciences, using electronic sources and appropriate databases.	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report [SU3] text preparation/written work
[BIOTECHL3_W09] The graduate possesses structured and advanced knowledge of the terminology and concepts used in biological and medical sciences and related disciplines.	In written work (diploma thesis) and during discussions, correctly and with understanding, uses concepts and terminology from the field of biotechnology and medical sciences.	[SW1] oral statement/ conversation/discussion [SW2] presentation/project/paper/ report [SW3] text preparation/written work

Subject contents

To become familiar with the formal rules that distinguish a scientific publication from other types of media presentation. In particular, to learn about the role of the scientific journal editor and reviewers in the process of preparing a scientific publication. To clarify the legal status of a scientific publication in comparison with other media publications. To acquire the ability to read and interpret a scientific publication in the context of the formal rules for the preparation of its various parts. To become familiar with methods of assessing the "quality" of a scientific publication on the basis of bibliometric parameters: impact factor, number of citations, Hirsh index. Application of the above knowledge in practice. Each student prepares an individual research project based on the results of research published in scientific journals on a given research topic.

Prerequisites and co-requisites

Knowledge of course content is required: Module 01_06

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Diploma project	51.0%	80.0%
Activity in class	0.0%	20.0%

Recommended reading

Basic literature	A set of sample publications and research projects prepared by the seminar tutor and made available online as PDF files for students attending the seminar. Self-published or project topic publications made available by the project supervisor; January Weiner "Technique of writing and presenting natural science papers. A practical guide" Scientific Publishers PWN 2005. Veron Booth "Writing a Scientific Paper" The Biochemical Society 1975
Supplementary literature	None
eResources addresses	

Example issues/ example questions/ tasks being completed

Work placement

Not applicable

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