University of Gdańsk

Subject card

Subject name and code	Diploma seminar - research project, PG_00197666						
Field of study	Biotechnology						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2027/2028		
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.						

<table>
<tr><td>Learning outcomes</td><td>
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<tr><th>Course outcome</th><th>Subject outcome</th><th>Method of verification</th></tr>
<tr><td>[BIOTECHL3_U06] The graduate is able to prepare a focused written report in Polish and/or English on biotechnology issues, using scientific language and specialized terminology.</td><td>Be able to prepare in a targeted manner a written piece of work in Polish and/or English covering specific topics in biotechnology, using scientific language including specialised terminology and conceptual apparatus appropriate to biotechnology</td><td>[SU1] oral statement/conversation/ discussion
[SU2] presentation/project/paper/ report
[SU3] text preparation/written work</td></tr>
<tr><td>[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.</td><td>Has the ability to use scientific information, including English-language information on biotechnology in the sciences and life sciences and medical and health sciences; uses electronic sources; has a basic ability to use relevant databases</td><td>[SU1] oral statement/conversation/ discussion
[SU2] presentation/project/paper/ report
[SU3] text preparation/written work</td></tr>
<tr><td>[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</td><td>Effectively plans and organises work independently or as part of a team, in particular laboratory work</td><td>[SU1] oral statement/conversation/ discussion
[SU2] presentation/project/paper/ report
[SU3] text preparation/written work</td></tr>
<tr><td>[BIOTECHL3_W09] The graduate possesses structured and advanced knowledge of the terminology and concepts used in biological and medical sciences and related disciplines.</td><td>Knows and understands the basic concepts and terminology used in the biological and medical sciences and concepts from related scientific disciplines</td><td>[SW1] oral statement/ conversation/discussion
[SW2] presentation/project/paper/ report
[SW3] text preparation/written work</td></tr>
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<tr><td>Subject contents</td><td>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.</td></tr>
<tr><td>Prerequisites and co-requisites</td><td>Knowledge of course content is required: Module01_06</td></tr>
<tr><td>Assessment methods and criteria</td><td>
<table>
<tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr>
<tr><td>Activity in class</td><td>0.0%</td><td>20.0%</td></tr>
<tr><td>Diploma project</td><td>0.0%</td><td>80.0%</td></tr>
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<tr><td>Recommended reading</td><td>
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<tr><td>Basic literature</td><td>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</td></tr>
<tr><td>Supplementary literature</td><td>None</td></tr>
<tr><td>eResources addresses</td><td></td></tr>
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<tr><td>Example issues/ example questions/ tasks being completed</td><td></td></tr>
<tr><td>Work placement</td><td>Not applicable</td></tr>
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