University of Gdańsk

Subject card

Subject name and code	ABC of IT, PG_00196892		
Field of study	Biotechnology		
Date of commencement of studies	October 2026	Academic year of realisation of subject	2026/2027
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	1	Language of instruction	Polish
Semester of study	1	ECTS credits	2.0
Learning profile	academic	Assessment form	credit
Conducting unit			
Name and surname of lecturer (lecturers)	Subject supervisor	dr Leszek Kadziński	
	Teachers	mgr Daria Horoszkiewicz dr Leszek Kadziński	

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	0.0	0.0	22.0	0.0	0.0	22

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	22	5.0	23.0	50

Subject objectives

- teach students the correct use of terminology related to information technology
- familiarize students with the principles of safe and effective use of information technologies
- introduce students to the possibilities of applying information technologies in various fields
- prepare students to use information technologies at the level required by other subjects included in the study program
- prepare students for the effective use of information technologies in supporting self-development, research work, and professional work

Learning outcomes

Course outcome	Subject outcome	Method of verification
[BIOTECHL3_W07] The graduate has advanced knowledge of the rules of operation and the possibilities of using research techniques and tools used in biotechnology.	The student has advanced knowledge of IT techniques and tools used in biotechnology.	[SW1] oral statement/ conversation/discussion
[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.	The student is able to use scientific information, scientific databases, and data repositories in the field of science and natural sciences as well as medical sciences.	[SU2] presentation/project/paper/ report [SU4] test/exam - oral or written
[BIOTECHL3_K04] The graduate is aware of the importance of occupational safety rules, is able to apply them and react in hazardous situations, ensuring their own safety and the safety of others.	The student has knowledge of the responsible and safe use of IT resources and safety when working with IT equipment.	[SK8] observation of student's independent or team work

<table>
<tr><td>Subject contents</td><td>
• Using UG resources - Student Portal, Educational Portal, Library, software available at the faculties.
• Communication and teamwork - resource sharing, email usage guidelines, benefits, and security of using cloud services.
• Text editing principles - preparation for writing term papers, preparing documents for printing/sharing.
• Basics of calculations and data visualization - spreadsheets and data analysis and visualization tools
• Presentation graphics - multimedia presentations (e.g., PowerPoint, Prezi), creating simple websites (e.g., Google Sites).
• Introduction to IT usage principles - searching for information on the Internet, searching for scientific publications, specialized databases.
• Principles of work with the command line of MS Windows and the MacOS teminal.
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<tr><td>Prerequisites and co-requisites</td><td>Basic knowledge of computer operation and Internet usage.</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>Exam</td><td>51.0%</td><td>50.0%</td></tr>
<tr><td>Project/presentation</td><td>51.0%</td><td>25.0%</td></tr>
<tr><td>Activity</td><td>25.0%</td><td>25.0%</td></tr>
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</td></tr>
<tr><td>Recommended reading</td><td>
<table>
<tr><td>Basic literature</td><td>• Żarowska Mazur A., Węglarz W., ECDL Base na skróty. Edycja 2014, Wydawnictwo Naukowe PWN, Warszawa 2014
• Sokół R., Jak pozostać anonimowym w sieci, Helion, Gliwice 2015</td></tr>
<tr><td>Supplementary literature</td><td>• Żarowska-Mazur A., Węglarz W. (red.), ECDL Advanced na skróty. Edycja 2015, Warszawa: Wydawnictwo Naukowe PWN, 2015
• Wrycza S., Maślankowski J. (red.), Informatyka ekonomiczna, PWN, Warszawa 2019
• Przeździecki K., Sikorski W., Treichel W., Technologie informacyjne dla studentów, WITKOM, Warszawa, 2017
• Walkenbach J., Microsoft Excel 2016 PL. Biblia, Helion, Gliwice 2016</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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