University of Gdańsk

Subject card

Subject name and code	Elements of bacterial genetics, PG_00147122		
Field of study	Genetics and Experimental Biology		
Date of commencement of studies	October 2024	Academic year of realisation of subject	2025/2026
Education level	undergraduate 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	2	Language of instruction	Polish
Semester of study	4	ECTS credits	1.0
Learning profile	academic	Assessment form	
Conducting unit	Katedra Mikrobiologii -> Faculty of Biology		
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. Iwona Mruk	
	Teachers		

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	0.0	0.0	15.0	0.0	0.0	15

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	15	3.0	7.0	25

Subject objectives

- understanding the processes related to the genetic biodiversity of microorganisms and knowledge of gene transfer between bacteria species

- understanding the horizontal gene transfers consequences for human life and the nature

<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>[GBEL3_K05] Responsibility for the safety of one's own work and others.</td><td>.</td><td>[SK8] observation of student's independent or team work</td></tr>
<tr><td>[GBEL3_U07] Work in a team and organize work while adhering to occupational health and safety principles and ergonomics.</td><td>.</td><td>[SU8] observation of student's independent or team work</td></tr>
<tr><td>[GBEL3_U01] Independently perform practical tasks in the field of biological sciences and related disciplines, formulate research problems, analyze their results, and draw conclusions.</td><td>.</td><td>[SU8] observation of student's independent or team work</td></tr>
<tr><td>[GBEL3_W06] the development and current state of knowledge, as well as the latest trends in molecular genetics and related fields; indicating their relationship with other disciplines in the natural or medical sciences and the possibilities of their practical application.</td><td>.</td><td>[SW4] test/exam - oral or written</td></tr>
<tr><td>[GBEL3_W03] The molecular mechanisms of genetic information transmission and gene expression, as well as the molecular and genetic basis of human physiology and diseases, including infectious diseases.</td><td>.</td><td>[SW4] test/exam - oral or written</td></tr>
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<tr><td>Subject contents</td><td>.</td></tr>
<tr><td>Prerequisites and co-requisites</td><td>.</td></tr>
<tr><td>Assessment methods and criteria</td><td>
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<tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr>
<tr><td></td><td>51.0%</td><td>100.0%</td></tr>
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<tr><td rowspan="3">Recommended reading</td><td>Basic literature</td><td>.</td></tr>
<tr><td>Supplementary literature</td><td>.</td></tr>
<tr><td>eResources addresses</td><td>Adresy na platformie eNauczanie:</td></tr>
<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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