University of Gdańsk

Subject card

Subject name and code	Elements of bacterial genetics, PG_00090795					
Field of study	Elementy genetyki bakterii (Ćw. laboratoryjne)					
Date of commencement of studies	October 2022		Academic year of realisation of subject	2024/2025		
Education level	Bachelor's studies		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	1.0		
Learning profile	academic		Assessment form	credit		
Conducting unit	Department of Microbiology -> Faculty of Biology -> Rector					
Name and surname of lecturer (lecturers)	Subject supervisor	prof. dr hab. Iwona Mruk				
	Teachers	dr hab. Marian Sęktas dr hab. Beata Furmanek-Blaszk prof. dr hab. Iwona Mruk				

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	0.0	0.0	15

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>[BIOLL3_W02] the graduate knows the structure and properties of biological macromolecules, the molecular mechanisms of basal metabolic pathways and genetic information flow and the sources of variation in organisms; the rules of inheritance</td><td>.</td><td>[SW4] test/egzamin - ustny lub pisemny</td></tr>
<tr><td>[BIOLL3_W01] the graduate knows the components and explains the differences in the structure and function of the prokaryotic and eukaryotic cell</td><td>.</td><td>[SW4] test/egzamin - ustny lub pisemny</td></tr>
<tr><td>[BIOLL3_U07] the graduate is able to independently search and use available sources of biological information, including electronic sources</td><td>.</td><td>[SU4] test/egzamin - ustny lub pisemny</td></tr>
<tr><td>[BIOLL3_U01] the graduate is able to use basic apparatus and research tools and follow the correct sequence of operations in laboratory and field work</td><td>.</td><td>[SU8] obserwacja samodzielnej lub zespołowej pracy studenta</td></tr>
<tr><td>[BIOLL3_K01] the graduate is ready to evaluate his own knowledge and understands the need for continuous learning and development and is open to new ideas</td><td>.</td><td>[SK4] test/egzamin - ustny lub pisemny</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>
<table>
<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></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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