

Subject card

Subject name and code	Elements of bacterial genetics, PG_00090794						
Field of study	Elementy genetyki bakterii (Wykład)						
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		prof. dr hab. Iwona Mruk				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	0.0	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	<p>- understanding the processes related to the genetic biodiversity of microorganisms and knowledge of gene transfer between bacteria species</p> <p>- understanding the horizontal gene transfers consequences for human life and the nature</p>						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[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	.	[SW4] test/egzamin - ustny lub pisemny
	[BIOLL3_W01] the graduate knows the components and explains the differences in the structure and function of the prokaryotic and eukaryotic cell	.	[SW4] test/egzamin - ustny lub pisemny
	[BIOLL3_U07] the graduate is able to independently search and use available sources of biological information, including electronic sources	.	[SU4] test/egzamin - ustny lub pisemny
	[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	.	[SU8] obserwacja samodzielnej lub zespołowej pracy studenta
[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	.	[SK4] test/egzamin - ustny lub pisemny	
Subject contents	.		
Prerequisites and co-requisites	.		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
		51.0%	50.0%
		51.0%	50.0%
Recommended reading	Basic literature	.	
	Supplementary literature	.	
	eResources addresses	.	
Example issues/ example questions/ tasks being completed	.		
Work placement	Not applicable		

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