

Subject card

Subject name and code	Bioinformatics sequence analysis, PG_00156236						
Field of study	Bioinformatics						
Date of commencement of studies	October 2025		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	2		Language of instruction		Polish		
Semester of study	3		ECTS credits		6.0		
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. Stanisław Oldziej				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	45.0	0.0	0.0	60
	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	60		0.0		90.0	150
Subject objectives	n						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[BIOINL3_K01] Graduate knows the limitations of his own knowledge and skills; he demonstrates a willingness to constantly improve, update his knowledge and enhance his qualifications in bioinformatics		n		[SK2] presentation/project/paper/report [SK3] text preparation/written work		
	[BIOINL3_W04] Has knowledge of basic research techniques and tools used in bioinformatics		n		[SW2] presentation/project/paper/report [SW3] text preparation/written work		
	[BIOINL3_U03] Graduate applies fundamental mathematical and statistical methods to describe phenomena and analyze data; has the ability to perform basic data analysis in professional databases used in bioinformatics		n		[SU2] presentation/project/paper/report		
	[BIOINL3_U05] Graduate has the ability to use scientific literature, including English-language sources on bioinformatics; has ability to use appropriate databases		n		[SU2] presentation/project/paper/report		
Subject contents	n						
Prerequisites and co-requisites							

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	kolokwium	51.0%	70.0%
	class work	51.0%	30.0%
Recommended reading	Basic literature	• P.G. Higgs, T.K. Attwood. Bioinformatyka i ewolucja molekularna, PWN, 2008 • A.D. Baxevanis, B.F.F. Ouellette (red.) Bioinformatics: A Practical Guide to the Analysis of Genes and Proteins. Wiley-Liss, Inc. 2005.	
	Supplementary literature	n	
	eResources addresses		
Example issues/ example questions/ tasks being completed	n		
Work placement	Not applicable		

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