

Subject card

Subject name and code	Bioinformatics Sequence Analysis, PG_00193520						
Field of study	Bioinformatics						
Date of commencement of studies	October 2026	Academic year of realisation of subject			2027/2028		
Education level	Bachelor's studies	Subject group			Obligatory subject group in the field of study Subject group related to scientific research 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_U03] Graduate applies mathematical and statistical methods to describe phenomena and analyze data; has the ability to perform 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 the ability to use appropriate databases	n			[SU2] presentation/project/paper/report		
	[BIOINL3_W04] Has advanced knowledge of research techniques and tools used in bioinformatics	n			[SW2] presentation/project/paper/report [SW3] text preparation/written work		
	[BIOINL3_K01] Is aware of 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		
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	<ul style="list-style-type: none"> • 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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