

Subject card

Subject name and code	Numerical methods for bioinformatics, PG_00156237						
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	Institute of Theoretical Physics and Astrophysics -> Faculty of Mathematics, Physics and Informatics -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. inż. Marek Krośnicki				
	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 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		[SU1] oral statement/conversation/discussion [SU3] text preparation/written work [SU5] implementation of a problem task		
	[BIOINL3_W03] Has sufficient knowledge of mathematical and statistical methods in order to describe and model biological phenomena and processes		n		[SW3] text preparation/written work		
	[BIOINL3_U04] Graduate effectively plans and organizes work independently or as part of a team		n		[SU1] oral statement/conversation/discussion [SU2] presentation/project/paper/report [SU5] implementation of a problem task		
Subject contents	n						
Prerequisites and co-requisites	n						
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	test		51.0%		20.0%		
	project		51.0%		80.0%		
Recommended reading	Basic literature		n				
	Supplementary literature		n				

	eResources addresses	
Example issues/ example questions/ tasks being completed	n	
Work placement	Not applicable	

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