

Subject card

Subject name and code	Stochastic modeling in science, PG_00156414						
Field of study	Bioinformatics						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2027/2028		
Education level	Bachelor's studies		Subject group		Optional 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		3.0		
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. Adam Rutkowski				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	30.0	0.0	0.0	30
	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	30		0.0		45.0	75
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		
	[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		
Subject contents	n						
Prerequisites and co-requisites	n						
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	n		51.0%		100.0%		
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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