

Subject card

Subject name and code	Advanced Stochastic Modeling, PG_00193549						
Field of study	Bioinformatics						
Date of commencement of studies	October 2026	Academic year of realisation of subject			2028/2029		
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 mathematical and statistical methods to describe phenomena and analyze data; has the ability to perform 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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