

Subject card

Subject name and code	Stochastic Processes: Introduction and Applications, PG_00155286						
Field of study	Mathematical Modeling and Data Analysis						
Date of commencement of studies	October 2024		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	3		Language of instruction		Polish polish		
Semester of study	5		ECTS credits		5.0		
Learning profile	academic		Assessment form		exam		
Conducting unit	Faculty of Mathematics, Physics and Informatics -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Monika Wrzosek				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	15.0	15.0	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		5.0		60.0	125
Subject objectives	not applicable						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[MMiADL3_U04] correctly uses the concepts of probability theory and statistics, is able - at a simple and medium level of difficulty - to apply the theorems and methods of these fields, and is able to interpret the results obtained		not applicable		[SU3] text preparation/written work [SU4] test/exam - oral or written [SU5] implementation of a problem task		
	[MMiADL3_K06] is ready to formulate opinions on basic mathematical issues		not applicable		[SK1] oral statement/conversation/discussion		
	[MMiADL3_W04] knows the basic concepts, methods and theorems of the theory of probability and statistics, and basic examples both illustrating specific concepts in these areas, and allowing to refute incorrect hypotheses or unauthorized reasoning		not applicable		[SW4] test/exam - oral or written [SW5] implementation of a problem task		
	[MMiADL3_K10] is ready to analyse data and communicate the conclusions of such analysis in an accessible form		not applicable		[SK6] demonstration of practical skills [SK8] observation of student's independent or team work		
	[MMiADL3_K02] is ready to precisely formulate questions to deepen his/her own understanding of a given topic or to find missing elements of reasoning		not applicable		[SK8] observation of student's independent or team work		
Subject contents	Not applicable						

Prerequisites and co-requisites	Not applicable		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	not applicable	50.0%	25.0%
	not applicable	50.0%	50.0%
	not applicable	50.0%	25.0%
Recommended reading	Basic literature	Not applicable	
	Supplementary literature	Not applicable	
	eResources addresses		
Example issues/ example questions/ tasks being completed	not applicable		
Work placement	Not applicable		

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