University of Gdańsk

Subject card

Subject name and code	Statistical Inference I, PG_00102835						
Field of study	Mathematical Modeling and Data Analysis						
Date of commencement of studies	October 2023		Academic year of realisation of subject	2025/2026			
Education level	Bachelor's studies		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	5		ECTS credits	4.0			
Learning profile	academic		Assessment form	exam			
Conducting unit	Division of Real Functions -> Institute of Mathematics -> Faculty of Mathematics, Physics and Informatics -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor	dr Janusz Przewocki					
	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		0.0	0.0	60	
Subject objectives	Not applicable						

<table>
<tr><td>Learning outcomes</td><td>
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<tr><th>Course outcome</th><th>Subject outcome</th><th>Method of verification</th></tr>
<tr><td>[MMiADL3_W09] knows and understands the basics of computational and programming techniques supporting mathematician's work and understands their limitations</td><td>Not applicable</td><td>[SW4] test/exam - oral or written</td></tr>
<tr><td>[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</td><td>Not applicable</td><td>[SW4] test/exam - oral or written</td></tr>
<tr><td>[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</td><td>Not applicable</td><td>[SU4] test/exam - oral or written</td></tr>
<tr><td>[MMiADL3_U13] knows how to use computer programmes in the field of data analysis</td><td>Not applicable</td><td>[SU4] test/exam - oral or written</td></tr>
<tr><td>[MMiADL3_U09] is able to use the learned software package or the learned programming language to solve selected problems from the known fields, in particular from mathematical analysis, linear algebra and statistics</td><td>Not applicable</td><td>[SU4] test/exam - oral or written</td></tr>
<tr><td>[MMiADL3_K10] is ready to analyse data and communicate the conclusions of such analysis in an accessible form</td><td>Not applicable</td><td>[SK8] observation of student's independent or team work</td></tr>
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<tr><td>Subject contents</td><td>Not applicable</td></tr>
<tr><td>Prerequisites and co-requisites</td><td>Not applicable</td></tr>
<tr><td>Assessment methods and criteria</td><td>
<table>
<tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr>
<tr><td>test</td><td>51.0%</td><td>50.0%</td></tr>
<tr><td>observation of the student's attitude</td><td>51.0%</td><td>0.0%</td></tr>
<tr><td>oral or written exam</td><td>51.0%</td><td>50.0%</td></tr>
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<tr><td>Recommended reading</td><td>
<table>
<tr><td>Basic literature</td><td>Not applicable</td></tr>
<tr><td>Supplementary literature</td><td>Not applicable</td></tr>
<tr><td>eResources addresses</td><td></td></tr>
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<tr><td>Example issues/ example questions/ tasks being completed</td><td>Not applicable</td></tr>
<tr><td>Work placement</td><td>Not applicable</td></tr>
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