

Subject card

Cubicat range and and	Disk management in incogure environment, DC 00025524							
Subject name and code	Risk management in insecure enviroment , PG_00025524							
Field of study	Mathematics Costal and							
Date of commencement of studies	October 2021		Academic year of realisation of subject			2023/2024		
Education level	first-cycle studies		Subject group			Optional subject group		
						Subject group related to scientific research 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		
Semester of study	5		ECTS credits			4.0		
Learning profile	general academic profile		Assessment form			assessment		
Conducting unit	Department of Nonli	near Analysis a	nd Statistics -> Faculty of Applied Physics and Mathematics					
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Karol Dziedziul					
	Teachers dr hab. Karol Dziedziul							
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project Seminar		SUM	
	Number of study hours	15.0	15.0	15.0	0.0	0.0		45
	E-learning hours included: 0.0							
Learning activity and number of study hours	Learning activity	Participation i classes including plan		Participation in consultation hours		Self-study		SUM
	Number of study hours 45			0.0		0.0		45
Subject objectives	Modern methods of risk management							
Learning outcomes	Course outcome Subject outcome Method of verification							
	K6_W03		When carrying out a project, a student must apply specific data for market analysis, e.g. cotton, gold or stocks. He has to demonstrate knowledge of a part of the financial market.			[SW3] Assessment of knowledge contained in written work and projects		
	K6_U10		Analyzes made with the support of SAS or R are based on the modification of known programs. However, the main requirement is interpretation.			[SU1] Assessment of task fulfilment		
	K6_U05					[SU1] Assessment of task fulfilment [SU5] Assessment of ability to present the results of task		
Subject contents	http://www.mif.pg.gda.pl/homepages/kdz/teoriaryzyka/ryzyko.pdf							
Prerequisites and co-requisites	Probability and an introduction to statistics							
Assessment methods	Subject passing criteria		Passing threshold		Percentage of the final grade			
and criteria			50.0%			100.0%		
Recommended reading			[1] Hans Föllmer, Alexander Schied Stochastic Finance An Introduction in DiscreteTime Second Revised and Extended EditionWalter de Gruyter Berlin New York 2004.[2] A. McNeil, R. Frey, P. Embrechtes Quantitive Risk Management Princeton University Press 2005					
	Supplementary literature		[1] Ravindra Khattree, Dayanand N. Naik, Applied Multivariate Statistics with SASsoftwareSAS Institute Inc. and John Wiley & Sons, Second edition 2003.[2] R.B. Nelsen,An introduction to copulasSpringer 2006					

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	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	A determination of minimum reserve	s with the involvement of investment in gold and the stock market
Work placement	Not applicable	

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