



Subject card

Subject name and code	Derivatives in Financial Management, PG_00037798						
Field of study	Economic Analytics						
Date of commencement of studies	October 2022	Academic year of realisation of subject			2023/2024		
Education level	second-cycle studies	Subject group			Optional subject group Subject group related to scientific research in the field of study		
Mode of study	Part-time studies	Mode of delivery			at the university		
Year of study	2	Language of instruction			Polish		
Semester of study	3	ECTS credits			3.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Department of Economic Analysis and Finance -> Faculty of Management and Economics						
Name and surname of lecturer (lecturers)	Subject supervisor						
	Teachers						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	16.0	0.0	0.0	0.0	16
	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	16		6.0		53.0	75
Subject objectives	Students get to know about possibility of using derivative securities in order to reduce the financial risk. Derivatives valuation calculate the value of a position in a financial instrument. Valuation of financial derivatives and determine value of the position in their.						
Learning outcomes	Course outcome		Subject outcome			Method of verification	
	[K7_U03] can identify and analyse the causes and course of specific economic processes and phenomena as well as propose solutions based on them		The student is using derivative securities in the financial management.			[SU4] Assessment of ability to use methods and tools	
	[K7_U14] can improve oneself through the systematic acquisition of knowledge and skills		Student can improve by a systematic knowledge and skills acquisition necessary to use derivative instruments to limit the financial risks.			[SU2] Assessment of ability to analyse information	
	[K7_W15] has an in-depth knowledge of the processes taking place in the company and the risks associated with it		The student has an expanded knowledge about the influence of derivative securities on functioning of subjects in the market economy.			[SW1] Assessment of factual knowledge	
Subject contents	Nature of derivative securities, their characteristics and classification. Evaluation of forward transactions. Using forward transactions for protecting itself against the financial risk. Evaluation of the option: model Blacka-Scholesa and binomial model. Using option contracts for protecting itself against the financial risk. FRA contracts - the evaluation and using for protecting itself against the financial risk. Swapy - the evaluation and using for protecting itself against the financial risk. Option and other strategies - examples of the application.						
Prerequisites and co-requisites	Financial mathematics						
Assessment methods and criteria	Subject passing criteria		Passing threshold			Percentage of the final grade	
			60.0%			100.0%	
Recommended reading	Basic literature		1. Dunsby A., Commodity Investing. Maximizing Returns through Fundamental Analysis, Wiley Finance, New Jersey 2009. 2. Dorsey T.J. (red.), Commodity Strategies. High-Profit Techniques for Investors and Traders, Wiley Finance, New Jersey 2008.				
	Supplementary literature		1. Tomek W.G., Robinson K.L., Agricultural Products Prices, Cornell University Press, 2008. 2. Rogers J., Hot Commodities. How Anyone Can Invest Profitably in the World's Best Market, Random House, New York 2005.				
	eResources addresses						

Example issues/ example questions/ tasks being completed	Application of Black-Scholes Model and binomial model.
Work placement	Not applicable