



Subject card

Subject name and code	Risk in the Enterprise, PG_00067950						
Field of study	Economics						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2027/2028		
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		3.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Department Of Finance -> Faculty Of Management And Economics -> Wydziały Politechniki Gdańskiej						
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	15.0	15.0	0.0	0.0	0.0	30
	E-learning hours included: 0.0						
	Address on the e-learning platform: https://enauczanie.pg.edu.pl/moodle/course/view.php?id=20766						
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		5.0		40.0	75
Subject objectives	Identifies types of risks and measures them. Describes and applies methods of hedging against different types of risks.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_U06] acquires specialized knowledge in the field of economics, demonstrating the ability to effectively plan individual work and pursue lifelong learning.		is able to acquire new knowledge necessary for selecting and applying appropriate instruments for risk mitigation.		[SU4] Assessment of ability to use methods and tools		
	[K6_W02] possesses advanced knowledge of methods and techniques that enable precise formulation and effective problem solving.		is familiar with reliable sources of information necessary for defining and analyzing risk, as well as formulating effective solutions to problems		[SW1] Assessment of factual knowledge		
Subject contents	Concept of risk, classification and identification of risks. risk management process. Calculation of risk measures (standard deviation, semistandard deviation, coefficient of variation, semioefficient of variation, VAR). Quantification of risk by means of: risk map, Risk Score method, stress tests. Risk assessment using scenario analysis and sensitivity analysis. Application of currency risk hedging transactions (forwards, futures, options, swaps, zero-cost corridors). Toxic option products. Application of interest rate hedging transactions (FRA, options, caps, floors, collars). Hedging against default risk. Concept and settlement of CDS transactions. Types and characteristics of weather risks. Application of weather risk hedging transactions (forwards, options, swaps, catastrophe bonds).						
Prerequisites and co-requisites	Financial management.						
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	Colloquium		60.0%		100.0%		

Recommended reading	Basic literature	Benett, D. (2000). Ryzyko walutowe. Kraków: Dom Wydawniczy ABC. Jajuga, K. (red.). (2007 oraz 2019 wydanie II) Zarządzanie ryzykiem. Warszawa: PWN. Kaczmarek, T.T. (2005). Ryzyko i zarządzanie ryzykiem. Warszawa: Difin. Kalinowski, M. (2009). Zarządzanie ryzykiem stopy procentowej w przedsiębiorstwie. Warszawa: CeDeWu. Kalinowski, M. (2007). Zarządzanie ryzykiem walutowym w przedsiębiorstwie. Warszawa: CeDeWu. Karkowski, P. (2009). Toksyczne opcje. Od zaufania do bankructwa. Warszawa: GreenCapital.pl Maliszewski, J. (2013). Zarządzanie ryzykiem kursu walutowego w przedsiębiorstwie. Warszawa: Wydawnictwo Linia. Preś, J. (2007). Zarządzanie ryzykiem pogodowym. Warszawa: Cedewu. Tarczyński, W., Mojsiewicz, M. (2001). Zarządzanie ryzykiem. Warszawa: PWE. Woźniak, J., Wereda, W. (red.). (2018). Mapa ryzyka w zarządzaniu organizacją. Warszawa: CeDeWu.
	Supplementary literature	Best, P. (2000). Wartość narażona na ryzyko. Kraków: Dom Wydawniczy ABC.
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	List and characterise methods of internal hedging against exchange rate risk. List and characterise external instruments for hedging against currency and interest rate risk. Prepare a risk map on the basis of specific company data.	
Work placement	Not applicable	

Document generated electronically. Does not require a seal or signature.