



Subject card

Subject name and code	ALTERNATIVE INVESTMENTS, PG_00070479						
Field of study	Economic Analytics						
Date of commencement of studies	October 2026		Academic year of realisation of subject		2026/2027		
Education level	second-cycle studies		Subject group		Obligatory subject group in the field of study 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	1		Language of instruction		Polish		
Semester of study	1		ECTS credits		4.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Department of Finance -> Faculty of Management and Economics -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Marcin Potrykus				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	30.0	0.0	0.0	45
	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	45		3.0		52.0	100
Subject objectives	preparing students to assess and construct an investment portfolio that includes both alternative and traditional investments, based on knowledge of risk analysis and assessment methods, as well as fostering attitudes related to critical thinking and responsibility in the context of investment decisions.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K7_K01] is ready to critically evaluate his/her knowledge in economic analytics and seek expert opinions when facing difficulties in solving a problem independently.		is ready to take a critical approach to their analyses in the field of alternative investments, recognize the limits of their knowledge, and rely on expert opinions when dealing with more complex investment problems.		[SK5] Assessment of ability to solve problems that arise in practice		
	[K7_U02] presents logical and well-founded arguments regarding obtained results through the analysis and synthesis of information in various business contexts, critically evaluating their interpretation.		is able to present justified investment decisions by applying appropriate analytical methods and critically interpreting data		[SU4] Assessment of ability to use methods and tools		
	[K7_W04] has an in-depth understanding of analytical methods, reliable data sources, and copyright principles in the context of solving contemporary socio-economic problems.		knows and understands analysis methods and reliable data sources in the context of assessing the risk of alternative investments		[SW1] Assessment of factual knowledge		

Subject contents	Course content – lecture		
	1. The concept of alternative investments. Alternative investments versus traditional investments. 2. The structure of the alternative investments. 3. Characteristics of alternative investments. 4. Alternative investments in the context of portfolio theory. 5. Alternative investments in the context of portfolio theory (continued). 6. Investment risk measures and their weak points. 7. Investment risk measures and their weak points (continued). 8. Methods of measuring investment efficiency. 9. Alternative investments in the context of hedonic regression. 10. Alternative investments in the context of hedonic regression (continued). 11. Commodity investments as exemplified by gold investments. 12. Emotional investments as exemplified by diamond investing. 13. Emotional investments as exemplified by diamond investing (continued). 14. The hedge fund market.		
	Course content – laboratory		
	1. Descriptive statistics using alternative investments as an example. 2. Methods for measuring return on alternative investments. 3. Constructing an investment portfolio using MS EXCEL. 4. Constructing an investment portfolio in RStudio 1/3. 5. Constructing an investment portfolio in RStudio 2/3. 6. Constructing an investment portfolio in RStudio 3/3. 7. Measuring investment efficiency in RStudio. 8. Hedonic regression the all-period method. 9. Hedonic regression the adjacent-period method. 10. Hedonic regression the characteristic price method. 11. Hedonic regression summary. 12. Assessing the attractiveness of real estate investments 1/2. 13. Assessing the attractiveness of real estate investments 2/2.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Written test with practical tasks	60.0%	60.0%
	Lab test	60.0%	40.0%
Recommended reading	Basic literature	1. Kufel T., Ekonometria. Rozwiązywanie problemów z wykorzystaniem programu GRET, PWN, Warszawa 2023. 2. Perez K., Truszkowski J., Portfel inwestycyjny. Materiały dydaktyczne, Wydawnictwo Uniwersytetu Ekonomicznego w Poznaniu, Poznań 2020. 3. Luszniwicz A., Słaby T., Statystyka z pakietem komputerowym STATISTICA PL, C.H.Beck, Warszawa 2008.	
	Supplementary literature	1. Ostrowska E., Portfel inwestycyjny klasyczny i alternatywny, C.H.Beck, Warszawa 2014. 2. Mikita M., Rynki inwestycji alternatywnych, Poltex, Warszawa 2014. 3. Pruchnicka-Grabias I.(red.), Inwestycje alternatywne, CeDeWu.pl, Warszawa 2017.	
	eResources addresses		
Example issues/ example questions/ tasks being completed	• Set descriptive statistics for the selected alternative investment • List the types of investment risk		
Practical activites within the subject	Not applicable		

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