

Subject card

Subject name and code	Development of Insurance Product, PG_00148818						
Field of study	Insurance - Interdisciplinary Studies						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2026/2027		
Education level	Master's 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	2		Language of instruction		Polish		
Semester of study	3		ECTS credits		0.0		
Learning profile	academic		Assessment form		credit		
Conducting unit	Department of Statistics -> Faculty of Management -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Ewa Wycinka				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	15.0	0.0	0.0	0.0	15
	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	15		5.0		10.0	30
Subject objectives	The student will acquire knowledge of insurance products and the differences between them (in life and nonlife insurance).						
	He/she will learn the process and principles of designing insurance products for individual, group, corporate and other clients (other organisations).						
	He/she will learn the principles of insurance product development (making technical plans, calculating premiums, making profitability tests) and management principles (using basic insurance characteristics and indicators).						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[UBEZMU2_W05] The student knows and understands the dilemmas of modern insurance on scientific and practical grounds.	Discuss the international insurance market and the relationship between market participants	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion
	[UBEZMU2_W01] The student has an expanded knowledge of insurance and its place in the system of sciences of economics and finance and legal sciences and its relationship to other sciences.	Understand the concept of an insurance product and its complexity.	[SW1] oral statement/ conversation/discussion [SW2] presentation/project/paper/ report
	[UBEZMU2_W07] The student has a structured knowledge of the principles and norms applicable to the procedures related to the application of insurance law and understands the necessity of ethical conduct in matters related to insurance and insurance law.	Understand and discuss the legal requirements for the design of insurance products.	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion [SW2] presentation/project/paper/ report
	[UBEZMU2_W08] The student knows the methods and tools, including data and information acquisition techniques, appropriate to the field of insurance and related disciplines.	The student knows the principles of insurance product development, knows the stages of product development.	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion [SW2] presentation/project/paper/ report
	[UBEZMU2_U03] The student has developed skills to understand and analyze socio-economic phenomena, including by formulating and testing hypotheses related to insurance research problems.	Can estimate insurance premiums for homogeneous insurance products.	[SU1] oral statement/conversation/ discussion [SU4] test/exam - oral or written
	[UBEZMU2_W02] The student has advanced and structured knowledge of various types of structures and institutions and the changes taking place in them, especially the insurance and financial system of market and public character. The student has knows the interrelationships between these structures and institutions on a national and international scale.	Be able to list the organisations and players in the insurance market and discuss their role and importance.	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion
	[UBEZMU2_U01] The student has in-depth skills of observation and interpretation of phenomena related to economic and legal aspects of insurance, including the use of advanced information and communication techniques, and is able to integrate knowledge from various scientific disciplines.	The student will be able to design and construct insurance products. He/she will be able to discuss and prepare a technical plan, check profitability (profit test) in the field of non-life insurance.	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report [SU4] test/exam - oral or written
	[UBEZMU2_K03] The student thinks creatively, is able to go beyond the usual patterns, is able to think and act in an entrepreneurial manner, is able to adapt flexibly to the requirements of the environment.	Can creatively solve basic problems in the design of an insurance product	[SK1] oral statement/conversation/ discussion [SK2] presentation/project/paper/ report [SK4] test/exam - oral or written
	[UBEZMU2_K01] The student is critically aware of the level of his knowledge and skills, recognizes the importance of knowledge in solving cognitive and practical problems in the field of insurance, consults experts in case of difficulties in solving the problem independently.	The student knows his/her knowledge and understands the need for continuous learning and acquiring new knowledge, tries to supplement and improve his/her knowledge and skills.	[SK1] oral statement/conversation/ discussion [SK2] presentation/project/paper/ report

Subject contents	The essence and characteristics of insurance products. The strategy of the insurance company and product policy, formal and legal conditions, the basis for the creation, offering and distribution of insurance products, the processes of management and organisation of the product policy of insurance companiesStages and techniques of insurance product creation (planning and design stage, product creation stage, distribution network training and sales preparation stage, distribution and sales stage, product management stage, product control and development stage)Financial and actuarial foundations of the creation of assumptions and construction of insurance products (basic principles, mathematical models, profitability tests, insurance products vs. capital requirements, risk assessment, calculation of tariffs and insurance premiums, construction of a technical plan, creation of commutation functions on real life tables, use of MS Excel calculating program)Creation of product documentation from the formal and legal side.Examples of product design and creation for selected life and non-life insurance products		
Prerequisites and co-requisites	Previous subjects: Foundations of Risk and Insurance, Statistics and Demography, Elements of Financial Mathematics, Understanding the basic concepts of insurance, probability theory, demography and the time value of money.		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	project	51.0%	100.0%
Recommended reading	Basic literature	Pisarewicz P., Gierusz A., Rólczyńska-Kowalczyk P., Pobłocka A., Produkty ubezpieczeniowe, Wydawnictwo Uniwersytetu Gdańskiego, Gdańsk, 2020 Bednarczyk T. H., Jackowska B., Wycinka E., Ekonomiczne i demograficzne uwarunkowania funkcjonowania i rozwoju ubezpieczeń, Wydawnictwo Uniwersytetu Gdańskiego, Gdańsk 2019 Ewa Wycinka, Mirosław Szreder (red.), Zastosowania metod ilościowych w ubezpieczeniach, Wydawnictwo Uniwersytetu Gdańskiego, Gdańsk 2019 Ubezpieczenia, Iwanicz-Drozdowska M., Ubezpieczenia, PWE, 2017 Podstawy ubezpieczeń, tom II produkty, red. Monkiewicz J., Poltext, Warszawa 2000 / 2001 Ostasiewicz S., Elementy aktuariatu, Wyd. Akademii Ekonomicznej we Wrocławiu 2003;	
	Supplementary literature	Pobłocka A., 2016, Ubezpieczenia na życie związane z ubezpieczeniowym funduszem kapitałowym i ubezpieczenia na życie związane z systemem zabezpieczenia społecznego [w:] Długoterminowe oszczędzanie. Podstawy, strategie i wyzwania, pod. red. Rutecka-Góra J. Wybrane zagadnienia i charakterystyka produktów ubezpieczeniowo-inwestycyjnych (unit-linked life insurance), Pisarewicz P., Prace Naukowe Akademii Ekonomicznej we Wrocławiu. - 2008, nr 1197, s. 352-358 Pobłocka A., 2017, Tworzenie rezerwy IBNR metodami deterministycznymi na potrzeby wypłacalności w zakładach ubezpieczeń majątkowych, Zarządzanie i Finanse = Journal of Management and Finance, R. 15, nr 3, s. 101-119. Ubezpieczenia na życie z ubezpieczeniowym funduszem kapitałowym w kontekście wymogów regulacyjnych oraz aktualnej praktyki rynkowej, Pisarewicz P., Problemy współczesnego zarządzania / pod red. Bielińskiego J. i Wycinki E., Sopot : Wydział Zarządzania Uniwersytetu Gdańskiego, [2014] Unit-linked life insurance in view of the new act on insurance and reinsurance activities, Pisarewicz P., Kowalczyk-Rólczyńska P., Wiadomości Ubezpieczeniowe, 2015, R. 68, nr 4, s. 39-51 Pobłocka A., Proposals for additional forms of saving for retirement in Poland, Economic and Environmental Studies. - 2017, Vol. 17, no. 1 Ubezpieczenia na życie. Teoria i praktyka, E. Stroiński, Poltext, 2003 Wierzbicka E. (red.,) Ubezpieczenia osobowe, Wolters Kluwer, 2008 Wierzbicka E. (red.), Ubezpieczenia non-life, CEDEWU, 2010 Ubezpieczenia, Ronka-Chmielowiec W., C.H. Beck , 2016	
	eResources addresses		
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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