

## Subject card

Eleid of study	Subject name and code	INSURANCE STATISTICS, PG_00068657								
Date of commencement of studies										
Mode of study  Part-time studies  Mode of delivery  Subject group related to scientific research in the field of study  Year of study  1 Language of instruction  Polish  Poli	Date of commencement of	October 2025					2025/	2025/2026		
Year of study	Education level	second-cycle studies		,			field of study Subject group related to scientific			
Semester of study   2   ECTS credits   3.0	Mode of study	Part-time studies		Mode of delivery			at the university			
Learning profile  Genducting unit  Department Of Statistics and Econometrics -> Faculty Of Management And Economics -> Wydziały Politechniki Gdańskiej  Name and surmame of lecturer (lecturers)  Teachers  Lesson types and methods of instruction  Lesson types and methods of instruction  Lesson types and methods of instruction  Learning activity and number of study hours  Learning activity and number of study hours  Learning activity  Learning activity and number of study hours  Learning outcomes  Explains the functioning of the insurance market by analyzing various insurance products, presenting and convincingly interpreting the results obtained  Course outcome  IKT_VOR (is able to prepare and convincingly present the results of specialized knowledge in the field of economic analyse; in the field of economic analyse in surance products.  IKT_UOR (is able to prepare and convincingly present the results of specialized knowledge in the field of economic analyse in surance products and methods and methods  IKT_UOR (is able to prepare and convincingly present the results of specialized analyses, providing indepth interpretation during debates and meetings with various saudiences.  IKT_UOR (is able to prepare and convincingly present the results of specialized shadeness.  IKT_UOR (is able to prepare and endings with various saudiences.)  IKT_UOR (is able to prepare and endings with various and embods and methods and embods and methods and embods and methods and embods	Year of study	1		·			Polish			
Conducting unit  Department Of Statistics And Econometrics -> Faculty Of Management And Economics -> Wydziały Politechnik Gdańskiej  Subject supervisor Teachers  Lesson types and methods of instruction  Learning activity and number of study hours  Learning activity and number of study hours  Learning activity and number of study hours  Subject objectives  Explains the functioning of the insurance market by analyzing various insurance products, presenting and convincingly interpreting the results obtained  Learning outcomes  Course outcome  R(7, WGi) knows and understands the principles of evaluating the reliability of utilized data, applying in-depth specialized knowledge in the field of economic analysis.  R(7, URG) k able to prepare and convincingly present the results of specialized analyses, providing in-depth specialized with and methods and methods and methods will be principled analyses providing in-depth scale methods and methods an	Semester of study	2					3.0			
Name and surmame of lecturer (lecturers)   Teachers	Learning profile	general academic profile					assessment			
Lesson types and methods of instruction	Conducting unit	Department Of Statistics And Econometrics -> Faculty Of Management And Economics -> Wydziały					ydziały			
Lesson types and methods of instruction		Subject supervisor								
Number of study   Number of study   Number of study   Number of study   Participation in didactic   Casses included: 0.0   Participation in didactic   Casses included in study   Participation in didactic   Casses included in study   Participation in didactic   Casses included in study   Participation in consultation hours   Self-study   SUM   Number of study   Participation in didactic   Casses included in study   Participation in consultation hours   Self-study   SUM   Number of study   Participation in consultation hours   Participation in consultation participation in the calculation of mediation in surance market by analyzing various insurance products   Participation in Candidation   Participation in the calculation of interpretation information needed to analyze the insurance products   Participation in the calculation of interpretation   Participation in the calculation of presents   Participation in the calculation   Participation	of lecturer (lecturers)	Teachers								
Learning activity and number of study hours   Learning activity   Participation in didactic classes included in study plan   Number of study hours   Learning activity   Participation in indicactic classes included in study plan   Number of study   24   4.0   47.0   75					<del></del>		t			
Learning activity and number of study hours   Participation in didactic classes included in study plan   Number of study hours   24   4.0   47.0   75	of instruction	hours		0.0	16.0	0.0		0.0	24	
Casses included in study   Casses included in study   Casses included in study   Plan		-		P. L P.	ls		0 15 1		loun.	
Subject objectives		Learning activity	classes includ			•		uay	SUM	
Course outcome   Subject outcome   Method of verification   [K7_W06] knows and understands the principles of evaluating the reliability of utilized data, applying in-depth specialized knowledge in the field of economic analysis.   [K7_U04] is able to prepare and convincingly present the results of specialized analyses, providing in depth interpretation during debates and meetings with various audiences.   Elements of the calculus of probability especially used in insurance (conditional probability, total probability, distributions used in insurance risk assessment   Testing the fit of theoretical insurance variants   Gross premium calculation   Life expectancy tables, their construction and application of insurance premiums   Commutation functions and their application in the exclusion of next premiums in various in the world    Prerequisites   Subject passing criteria   Passing threshold   Percentage of the final grade   Test   60.0%   100.0%    Recommended reading   Supplementary literature   Podstaw, Mydawnictwo Poltext, seria: Ubezpieczenia, Warszawa   Monkiewicza, Wydawnictwo Poltext, seria: Ubezpieczenia, Warszawa   Monkiewicza, Mydawnictwo Poltext, seria: Ubezpieczenia, Warszawa   Monkiewicza, Wydawnictwo Poltext, seria: Ubezpieczenia, Warszawa   Monkiewicza, Wydawnictwo Poltext, seria: Ubezpieczenia, Warszawa   Monkiewicza, Mydawnictwo Poltext, seria: Ubezpieczenia, Warszawa   Monkiewicza, Wydawnictwo Poltext,			24		4.0		47.0		75	
[K7_W06] knows and understands the principles of evaluating the reliability of utilized data, applying in-depth specialized knowledge in the field of economic analysis.   [K7_U04] is able to prepare and convincingly present the results of specialized analyses, providing in-depth interpretation during debates and meetings with various audiences.    Subject contents	Subject objectives									
the principles of evaluating the reliability of utilized data, applying in-depth specialized knowledge in the field of economic analysis.  [K7_U04] is able to prepare and convincingly present the results of specialized analyses, providing indepth interpretation during debates and meetings with various audiences.  Subject contents  Elements of the calculus of probability especially used in insurance (conditional probability, total probability, and present) the first of the results of specialized analyses, providing indepth interpretation during debates and meetings with various audiences.  Elements of the calculus of probability especially used in insurance (conditional probability, total probability, Bayesian formula)  Probability distributions used in insurance risk assessment Testing the fit of theoretical insurance risk distributions based on historical data Calculation of net premiums in various insurance variants Gross premium calculation Life expectancy tables, their construction and application Commutation functions and their application in the calculation of insurance premiums Analysis of life insurance markets in Poland and in the world  Prerequisites and co-requisites  Assessment methods and criteria  Basic literature  Ubezpieczenia na życie. Teoria i praktyka, Eugeniusz Stroiński, Wydawnictwo Poltext z seriii Ubezpieczenia, Warszawa 2004 Nowe zasady ubezpieczeń majątkowych i osobowych. Poradnik, T. Jakubowski, Warszawa 1991  Podstawy ubezpieczeń, ton II produkty, pod redakcją Jana Monkiewicza, Wydawnictwo Poltext, seria: Ubezpieczenia, Warszawa	Learning outcomes	Course outcome		Subject outcome			Method of verification			
Convincingly present the results of specialized analyses, providing indepth interpretation during debates and meetings with various audiences.    Subject contents		the principles of evaluating the reliability of utilized data, applying in-depth specialized knowledge in		information needed to analyze the insurance market by analyzing various risks using statistical tools						
Bayesian formula) Probability distributions used in insurance risk assessment Testing the fit of theoretical insurance risk distributions based on historical data Calculation of net premiums in various insurance variants Gross premium calculation Life expectancy tables, their construction and application Commutation functions and their application in the calculation of insurance premiums Analysis of life insurance markets in Poland and in the world  Prerequisites and co-requisites  Assessment methods and criteria  Subject passing criteria Passing threshold Percentage of the final grade Test 60.0%  Recommended reading  Basic literature  Ubezpieczenia na życie. Teoria i praktyka, Eugeniusz Stroiński, Wydawnictwo Poltext z serii Ubezpieczenia, Warszawa 2004 Nowe zasady ubezpieczeń majątkowych i osobowych. Poradnik, T. Jakubowski, Warszawa 1991  Supplementary literature  Podstawy ubezpieczeń, tom II produkty, pod redakcją Jana Monkiewicza, Wydawnictwo Poltext, seria: Ubezpieczenia, Warszawa		convincingly present the results of specialized analyses, providing in- depth interpretation during debates and meetings with		based on historical and demographic data and presents the results in a convincing way along with professional			use knowledge gained from the			
Assessment methods and criteria  Recommended reading  Basic literature  Basic literature  Ubezpieczenia na życie. Teoria i praktyka, Eugeniusz Stroiński, Wydawnictwo Poltext z serii Ubezpieczenia, Warszawa 2004 Nowe zasady ubezpieczeń majątkowych i osobowych. Poradnik, T. Jakubowski, Warszawa 1991  Supplementary literature  Podstawy ubezpieczeń, tom II produkty, pod redakcją Jana Monkiewicza, Wydawnictwo Poltext, seria: Ubezpieczenia, Warszawa	Subject contents	Bayesian formula) Probability distributions used in insurance risk assessment Testing the fit of theoretical insurance risk distributions based on historical data Calculation of net premiums in various insurance variants Gross premium calculation Life expectancy tables, their construction and application Commutation functions and their application in the calculation of insurance premiums								
and criteria       Test       60.0%       100.0%         Recommended reading       Basic literature       Ubezpieczenia na życie. Teoria i praktyka, Eugeniusz Stroiński, Wydawnictwo Poltext z serii Ubezpieczenia, Warszawa 2004 Nowe zasady ubezpieczeń majątkowych i osobowych. Poradnik, T. Jakubowski, Warszawa 1991         Supplementary literature       Podstawy ubezpieczeń, tom II produkty, pod redakcją Jana Monkiewicza, Wydawnictwo Poltext, seria: Ubezpieczenia, Warszawa										
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Monkiewicza, Wydawnictwo Poltext, seria: Ubezpieczenia, Warszawa	Recommended reading	Basic literature		Wydawnictwo Poltext z serii Ubezpieczenia, Warszawa 2004 Nowe zasady ubezpieczeń majątkowych i osobowych. Poradnik, T.					2004	
		Supplementary literature								

	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	Problems in the theory of probability Calculation of the net premium in va Calculation of the net premium for va Application of commutation functions Theoretical questions about the func	rious variants arious insurances
Work placement	Not applicable	

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