

Subject card

Subject name and code	Foundations of Statistics - lecture, PG_00133700						
Field of study	Taxes and Tax Consultancy						
Date of commencement of studies	October 2024	Academic year of realisation of subject			2025/2026		
Education level	Bachelor's studies	Subject group			Obligatory subject group 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			1.0		
Learning profile	academic	Assessment form			exam		
Conducting unit	Faculty of Law and Administration -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Olga Komorowska				
	Teachers		dr Olga Komorowska				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	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		0.0		10.0	25
Subject objectives	<p>1. Obtaining knowledge about the sources of data regarding economic, social and population phenomena and how they are created, knowledge necessary to conduct statistical research and data analysis.</p> <p>2. Developing the ability to select appropriate methods for analyzing economic and social phenomena and interpreting the obtained results.</p> <p>3. Learning about the possibilities of using statistical methods in economic and social life, in making administrative, social and business decisions.</p>						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[PiDPL3_U03] The graduate can communicate using specialized legal, financial and tax terminology	Is able to discuss statistical data and interpret the obtained analysis results.	[SU1] oral statement/conversation/discussion
	[PiDPL3_U07] He/she can plan and implement independently the need for lifelong learning	He is able to ask a problem question for a scientific article.	[SU5] implementation of a problem task
	[PiDPL3_K01] The graduate understands the complexity of problems occurring in the field of tax law, finance and accounting and related disciplines, and therefore is ready to assess the problems critically. He/she understands the importance of knowledge in solving cognitive and practical problems and - in case of difficulties with solving the problem independently - consulting experts in tax law, finance, accounting and related disciplines (especially scientists, expert tax advisors, lawyers dealing with disciplines other than tax law and balance sheet), and, if necessary, also expert specialists in disciplines other than legal and economic sciences	He knows the sources of statistical information. He understands the principles of conducting statistical surveys by institutions such as the Central Statistical Office and EUROSTAT.	[SK1] oral statement/conversation/discussion [SK5] implementation of a problem task
	[PiDPL3_U01] The graduate can use theoretical knowledge in the field of tax law, accounting and the related disciplines in order to formulate and solve complex problems that may occur in this area, especially complex validation and interpretation problems in the field of tax law, tax analysis and accounting	He is able to use the acquired statistical knowledge to problems in the field of taxes and accounting.	[SU1] oral statement/conversation/discussion [SU5] implementation of a problem task
	[PiDPL3_U06] He/she can plan and organize work individually and in a team, as well as cooperate with other people as part of team work, in particular relevant for the application of tax and balance sheet law (also interdisciplinary work, in particular legal and economic)	He is able to plan the stages of statistical research together with other people.	[SU1] oral statement/conversation/discussion [SU5] implementation of a problem task
[PiDPL3_W04] He/she has elementary knowledge and knows the terms describing the most important economic and social phenomena, understands the basic processes taking place in market economy, understands the basic dilemmas of modern civilization	He knows the basic methods of analyzing statistical data and is able to use them depending on the available data.	[SW4] test/exam - oral or written [SW2] presentation/project/paper/report	
Subject contents	<ul style="list-style-type: none"> • Introductory issues and structure analysis • Interdependency analysis • Time series analysis 		
Prerequisites and co-requisites	Excel skills.		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Active participation in classes	0.0%	30.0%
	Oral answer	0.0%	30.0%
	Test/essay/research problem	0.0%	40.0%

Recommended reading	Basic literature	Makać W., Urbanek-Krzysztofiak D., Statistical description methods, Wyd. UG, Gdańsk red. Wycinka E., Szreder M., Applications of quantitative methods in insurance, Wyd. UG, (chapter: 1, 2, 4, 5)
	Supplementary literature	No literature
	eResources addresses	
Example issues/ example questions/ tasks being completed	<ol style="list-style-type: none"> 1. In what situation is it not recommended to calculate the average level of a trait? 2. What variable is a student's study time (in hours?) 3. What correlation coefficient should be used to check whether there is a correlation between gender and the choice of field of study? 	
Work placement	Not applicable	

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