

STATISTICS

Credit points	6 CP			
Duration of the	5th semester			
course				
Study course	Questions about statistical tasks and organization are discussed in the lecture course.			
annotation	Questions about statistical observation, grouping, creating tables, graphical			
	representation of data, absolute, relative, average values, variation indices, dynamics			
	series, indices and their use in economic analysis are covered.			
Aim of the study	The goal is to learn statistical methods and their use in the analysis of economic			
course	phenomena and processes, as well as to be able to apply them in the analysis of economic,			
		demographic and social phenomena. To acquire theoretical knowledge of specific		
		statistical methods. Understand the content of statistical indicators, calculation methods,		
	obtained results.			
	Knowledge to understand statistical		Competences Ability to implement data	
	to understand statistical subjects and methods of	Creating a sense of responsibility of future	collection, analysis and	
	statistical observation;	specialists, which related to	processing, which are	
	clustering and grouping in	the correspondence of the	necessary to find solutions	
	statistics. Be able to draw	processing information to	to the tasks;	
	statistical data graphically	the truth, about the	Able to choose the	
	and statistical tables;	correctness of the choice of	instrumental means for	
	analyze types of statistical	statistical research methods.	economic data processing	
	groupings;	Management of various	according to the assigned	
	analyze the collection of	statistical methods used in	task, analyze the	
Study course results	statistical indicators	the study of mass	calculation results and	
	(absolute, relative and	phenomena and the	justify the obtained	
	average values);	operation of individual	conclusions;	
	compile variation	enterprises.	Able to calculate the	
	indicators;	Know how to freely manage	economic indicators	
	sampling methods	the statistical information	characterizing the	
	(observation, data generalization);	creation methodologies of the company.	company's activity; Using various sources of	
	knowledge of the use of	Evaluation of the financial	information, able to	
	dynamic queues;	results of the company's	analyze output data and	
	application of index	operation.	prepare an analytical report	
	method in factor analysis;	of comment		
	Topics			
	1 Subject and method of statistics			
	2 Statistical observation			
	3 Aggregation and grouping in statistics. Statistical tables			
	4 Types of statistical groupings. Graphical representation of statistical data			
Study course content	5 Graphical representation			
		1		
	7 Average sizes. Indicators of variation			
	8 Sampling method (observation, data generalization)			
	9 Dynamics queues			
	10 Application of index method in factor analysis			
Form of assessment:	Differentiated written assessment			

STATISTA TO THE PROPERTY OF THE PARTY OF THE

BALTIC INTERNATIONAL ACADEMY

Obligatory literature:

- 1. Statistics for Business and Economics / Paul Newbold, William L. Carlson, Betty M. Thorne. 8th ed. Pearson Education Inc., 2013. 792 p.: fig., tabl.
- 2. Berenson ML, "Basic Business Statistics. Concepts and Applications", Timothy C. Krehbiel, 9th ed., Rearson Education International, 2004.
- 3. Cramer, "The SAGE Dictionary of Statistics. A Practical Resource for Students in the Social Sciences", SAGE Publications, 2004.
- 4. Statistics for Management and Economics / Gerard Keller. 11th ed. Cengage Learning, 2018. 998 p.

Additional reading:

- 1. Greene J., "Learning to use Statistical Tests in Psychology", Manuela D' Oliveira, 3rd ed., Open University Press, 2006.
- 2. Fundamentals of Business Mathematics and Statistics (FMS). Foundation / The Institute of Cost Accountants of India (ICAI). 2nd ed. 2014. 426 p.: fig., tabl.

Other sources of information:

- 1. "Latvian Economist" magazine
- 2. Merchant Baltic & Nova Media
- 3. Newspaper "Daily Business"
- 4. Central Statistical Office, URL: http://www.csb.gov.lv/par-mums/par-mums-8272.html
- 5. European commission statistics, <u>URL: http://ec.europa.eu/eurostat</u>
- 6. The Statistical portal, URL: https://www.statista.com
- 7. www.csb.gov.lv
- 8. http://ec.europa.eu/eurostat

Changes and additions to the program and literature list are possible during the study process