

Syllabus of the course

«Statistics»

Specialty	D3 Management	
Study Programme	Business Administration	
Study cycle (Bachelor, Master, PhD)	the first (Bachelor) level of higher education	
Course status	Mandatory	
Language	English	
Term	second year, third semester	
ECTS credits	5	
Workload	Lectures – 24 hours.	
	Laboratory studies – 24 hours.	
	Self-study – 102 hours.	
Assessment system	Grading including Exam	
Department	Statistics and economic forecasting, room 406 of first corps,	
•	phone $+38(057)702-18-32$, (additional 4-61), department	
	website: https://statistics.hneu.edu.ua/	
Teaching staff	Sierova Iryna, PhD of Economics, Associate professor of	
	Statistics and Economic Forecasting Department	
	Rayevneva Olena, Doctor in Economics, Professor of	
	Statistics and Economic Forecasting Department	
	Shlykova Viktoriia, PhD in Economics	
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Course schedule	Lectures: according to the class schedule	
	Laboratory studies: according to the current schedule	
Consultations	At the Department of statistics and economic forecasting, in-	
	person consultations, according to the consultations	
	schedule, individual, chat in PNS	
The nurness of the course to i	mnrove theoretical knowledge and applied skills by means of	

The purpose of the course: to improve theoretical knowledge and applied skills by means of statistical observations, statistical analysis methods and forecasting of social and economic phenomena and processes.

Structural and logical scheme of the course	
Prerequisites	Postrequsites
High mathematics	Probability theory and mathematical statistics
Informatics	

Content of the course

Content module 1. *Introduction to statistics*

Topic 1. Methodological principles of statistics

Topic 2. Statistical observation

Topic 3. Presentation of statistical data: tables, graphs, charts, maps

Topic 4. Statistical data summarization and grouping

Content module 2. Statistical indicators and distribution series

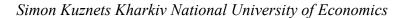
Topic 5. Statistical indicators

Topic 6. Analysis of distribution series

Topic 7. Sampling and sampling distributions

Topic 8. Analysis of the concentration, differentiation and similarity of distributions.

Content module 3. Methods of analysing the interconnections of phenomena and processes





Topic 9. Statistical methods of measuring interrelations

Topic 10. Analysis of the dynamics intensity

Topic 11. Analysis of development trends and fluctuations

Topic 12. Index method

Teaching environment (software)

Multimedia projector, S. Kuznets PNS, Corporate Zoom system

Assessment system

Assessment of students' learning outcomes is carried out by the University according to the cumulative 100-point system.

Current control is carried out during lectures and laboratory classes and aims to assess the level of students' readiness to perform particular tasks, and is assessed by the amount of scored points.

The maximum amount during the semester -60 points; the minimum amount required is 35 points. Final control is carried out at the end of the semester in the form of an exam (the maximum amount is 40 points, the minimum amount required is 25 points).

Current control includes the following assessment methods: laboratory work; essay in the form of a presentation; homework in the form of a case study; test control; written control works.

More detailed information on assessment and grading system is given in the technological card of the course.

Course policies

Teaching of the course is based on the principles of academic integrity.

Violation of academic integrity includes academic plagiarism, fabrication, falsification, cheating, deception, bribery, and biased assessment.

Students may be brought to the following academic responsibility for breach of academic integrity: repeated assessment of the corresponding type of learning activity.

More detailed information about competencies, learning outcomes, teaching methods, assessment forms, self-study is given in the Program of the course.