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*
Contacts	*Sierova I.A.:irina.cevaro@gmail.com* Rayevneva *Olena O.V.:* olena.raev@gmail.com *Shlykova V. O.: v.shlykova@ukr.net*
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 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.