Syllabus of the educational discipline «Statistics»

Specialty	*073 Management*
Educational program	*Logistics*
Level of education	*First (Bachelor) level*
Discipline status	*Mandatory*
Teaching language	*English*
Course / semester	*2nd year, 3d semester*
Number of credits ECTS	*5*
Distribution by types of trainings and hours of study	*Lectures – 24 hours.* *Laboratory classes – 24 hours.* *Self study – 102 hours.*
Form of final assessment	*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/*
Teacher (-s)	*Sierova Iryna, PhD of Economics, Associate professor of Statistics and Economic Forecasting Department (lectures)* Derykhovska *Victoriia, PhD of Economics, Associate professor of Statistics and Economic Forecasting Department* *Shlykova Viktoriia, PhD in Economics*
Teacher's contacts	*Sierova I.A.:irina.cevaro@gmail.com* Derykhovska *V.I.: derykhovskayav@gmail.com* *Shlykova V. O.: v.shlykova@ukr.net*
Days of the classes	*Lectures: according to the class schedule* *Laboratory studies: according to the current schedule* *according to the class 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 discipline is
to improve theoretical knowledge and applied skills by means of statistical observations, statistical analysis methods and forecasting of social and economic phenomena and processes.

Prerequisites for learning

List of previously listened disciplines: higher mathematics, probability theory and mathematical statistics, microeconomics, macroeconomics, computer sciences.

Content of the educational discipline

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 and 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 for analysis of interrelations of phenomena and processes
Topic 9. Statistical methods for measuring interrelations
Topic 10. Analysis of the intensity of dynamic
Topic 11. Analysis of development trends and fluctuations
Topic 12. Index method

Material and technical support (software) of the discipline

Microsoft Office *(Word, Excel, PowerPoint).*

Course page on the Moodle platform (personal training system)	*https://pns.hneu.edu.ua/*

Assessment system of learning outcomes

The system of assessment of the formed competencies takes into account the types of classes, which include lectures, seminar, laboratory classes, as well as self-study.

Assessment of formed competencies of students is carried out on a cumulative 100-point system. Current control, which is carried out during the semester during lectures and laboratory classes and is assessed by the sum of points (maximum - 60 points; minimum amount that allows students to exam - 35 points); final / semester control, which is conducted in the form of a semester exam, according to the schedule of the educational process (maximum amount - 40 points, minimum amount that allows a student to pass the exam - 25 points).

Current control includes the following control measures: laboratory works; seminar; test tasks; homework; written tests.

More detailed information on assessment is given in the working plan (technological card) of the discipline.

Discipline policies

The teaching of the course is based on the principles of academic integrity. Violations of academic integrity include: academic plagiarism, fabrication, falsification, write-off, deception, bribery, and biased evaluation. For violation of academic integrity, students are brought to the following academic responsibility: re-assessment of the relevant type of educational work

More detailed information about competencies, learning outcomes, teaching methods, assessment forms, independent training is given in the Syllabus (working plan) of the educational discipline (link).

Syllabus approved at the meeting of the Department of Statistics and Economic Forecasting.
Minutes № 10-B dated on 22 June 2022