STATISTICS

COURSE SYLLABUS ABSTRACT

Speciality 1-27 02 01 – Transport Logistics (majors in)

	STUDY MODE
	Full-time
Year	2
Semester	3
Lectures, hours	34
Practical classes (seminars), hours	16
Laboratory classes, hours	16
Graded exam, semester	3
Contact hours	66
Independent study, hours	42
Total course duration in hours / credit units	108 / 3

1. Course outline: subject and method of statistical science; statistical observation theory; groupings of statistics; statistical tables and graphs; statistical indicator theory; theory of mean values; statistical study of variation; Selective statistical research in business; Study the dynamics of business processes the index method in statistical research; correlation-regression analysis in statistical studies; organization of road transport statistics; road transport statistics; fixed capital statistics in road transport; statistics of working capital at road transport enterprises; statistics of the cost of transportation of goods and passengers by road; statistics of financial results of economic activity of road transport enterprises.

2. Learning objectives and outcomes: upon completion of the course, the students will be expected to:

- know: statistical methods used at the main stages of economic and statistical research, to collect primary information; its processing, calculation of generalizing indicators; sources of statistical information and the main ways of obtaining data in various business areas; issues of group formation and grouping intervals; principles of graphical representation of data; methods of descriptive statistics and time series analysis for studying trends and forecasting supply and demand in business; theoretical foundations of the sampling method, the main types of indices, their relationship and significance for understanding market conditions; correlation and regression analysis for making optimal decisions; statistical methods of accounting and analysis at the level of an individual firm;
- be able to: work with data in accordance with international standards and rules on statistics; choose optimal time series models for forecasting and perform seasonal data analysis; move from statistical calculations to interpretation of results to make optimal decisions;
- possess: basic techniques of statistical data processing; methods of solving statistical problems; methods of graphical representation of information for solving problems of specific subject areas of business.

3. Competencies to be developed:

CK-5 – Master methods for collecting, processing, analyzing and visualizing statistical information at the macro and micro levels.

4. Academic performance assessment

The module-based rating system is used. Mid-course evaluation: test; individual assignment. Summative assessment: graded exam.