

Specialization: Economics, bachelor's degree, full-time study

B1.B17 Econometrics

Annotation

4 ECTS, 144 academic hours.

Control form: exam.

Summary. Econometrics is an independent scientific discipline that combines a set of theoretical results, techniques, methods and models, designed to give concrete quantitative expression to the general economic laws revealed by economic theory on the basis of economic theory, economic statistics and mathematical and statistical tools.

This course is characterized by the variety and complexity of the models, and their relevance for risk analysis in different areas of economic activity will determine its relevance.

The discipline aims to familiarize students with methods for checking empirical dependencies and building new dependencies. It is impossible without econometric methods to build a reliable forecast means that success in banking, insurance, finance, and business is also questionable.

The main goal of the course is to master the theoretical foundations of building reliable forecasts, explaining the essence of the phenomena under study, forecasting their development, identifying the possibilities of correcting models, obtaining more reliable information.

The main task is to teach students to master the theoretical foundations of science, acquire skills in determining the laws of the formation of economic models, predictive modeling of economic phenomena and concepts, and increase their reliability.

Relationship with other disciplines of the specialty: the course "Econometrics" is interconnected with such disciplines of the specialty "Economics" as "Mathematical analysis", "Linear algebra", "Applied economic analysis based on the programs SPSS and STATA" "Theory of probability and mathematical statistics", " Statistics".

Requirements for the initial levels of knowledge and skills of students: Starting to study this course, students must have knowledge and skills in the field of financial mathematics, economic theory, statistics, probability theory as part of the bachelor's program of study.