

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

B1.B13 Probability theory and mathematical statistics (4cr.) annotation

4 ECTS, 144 academic hours.

Control form: exam.

Summary. Probability theory is a mathematical discipline that studies patterns of random phenomena, random events, random variables, their properties and operations on them. Mathematical statistics develops mathematical methods systematization and use of statistical data for scientific and practical conclusions.

Mat. Statistics are based on probability theory to assess reliability and the accuracy of inferences drawn from the data. In addition to the general mathematical meaning, these disciplines have the widest range of applications both in the natural sciences and in humanitarian.

Relationship with other disciplines of the specialty: course "Theory of probability and mathematical statistics" is interconnected with such disciplines of the specialty "Economics" like "Mathematical Analysis", "Linear Algebra", "Operations Research" and Financial Mathematics.