

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

B1.B11 Mathematical analysis annotation

10 ECTS, 360 academic hours.

Control form: exam.

Summary. The course covers: theory of limits and continuous function; numerical series, differential calculus of functions of one and several variables, Riemann and Lebesgue integrals; the simplest differential equations.

The purpose of the course of mathematical analysis is the scientific substantiation of those related to him concepts, the first idea of which is given in school. Mathematical Analysis Course has general educational and applied value. It helps to increase professional training and the level of mathematical knowledge of students enrolled in direction "Economics".

Relationship with other disciplines of the specialty: course "Mathematical Analysis" is interconnected with such disciplines of the specialty "Economics" as "Theory Probabilities and Mathematical Statistics ", " Econometrics ", " Operations Research "and "Financial Mathematics".