The peculiarities of the elective course "Elements of the theory of probability" in terms of specialized education

Gulsara Berikhanova[a]
[a]Kazakh Humanitarian Juridical Innovative University, Kazakhstan
[a]bgulsara@mail.ru

Abstract: In modern developing world, numerous people face with problems. Most of them are associated with the analysis of the influence of random factors and decisions in situations with a probabilistic basis.

The article presents examples about the problems of applied nature which allowed the analysis of the decision to come to the following conclusions:

1. Problems of this nature are presented in the elective course "Combinatorics Probability and Statistics" which develops probabilistic-statistical thinking of students and contributes the formation of the modern worldview. It also helps the destruction of rigid ideas about the connections between events and phenomena, and helps to make decisions in situations with a probabilistic framework and variable character.

2. Separation and accounting features of methodical teaching an elective course can solve the problems associated with the improvement of the overall direction of applied mathematics education. Multilevel design content based on differentiation in the interests, needs and opportunities for students to develop the elements of probability theory.

Keywords: mathematics, modernization of education, specialized education, the elective course, technology training, probability theory and statistics, improving.

References:

[1] I.V. Tsulina, Methodical features of the elective course "Elements of the theory of probability" for high school students, Diss. scientific degree .. Candidate . Pedagogical Sciences, Moscow, 2010.

[2] G.E. Berikhanova, Specialized education in Kazakhstan : the problem of modernization of education, International scientific - practical conference "Theory of functions , functional analysis and their applications", dedicated to 90 - anniversary of the member - correspondent of the Kazakh SSR, Doctor of Physico - Mathematical Sciences, Professor Toleubay Idrisovich Amanov, Families, 2013.