Problem-Based Approach to the Formation of Stochastic Competence of Students

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Abstract: The concept of stochastic competence is considered. The stages of formation of this competence are identified and characterized; the dynamics of the process of its formation is traced, and a task approach is proposed as an appropriate tool. The characteristics of each of these types are given. In the context of modeling stochastic situations, it is established that the inverse problem is a task of finding some input parameters if the output of the model is known. Inverse problems, as an important component of the technology of enlarged didactic units, are embedded into the "exercise – its conversion – generalization" triad. This triad is implemented on a specific example.