Methods of optimization of economic systems as a mechanism for the effectiveness of training it professionals in high school

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Abstract

The article deals with in-depth and comprehensive study of the techniques of economic systems optimization, identification of the theoretical foundations, trends, pedagogical conditions and means of forming the subject competence of students of information directions of bachelors degree program. A model of an individual trajectory of the natural sciences and professional training on the example of an in-depth development of economic systems optimization methods was proposed and the mechanism of its implementation was considered. As the result of the taken study the authors have proposed and justified the application of a set of professionally-designed tasks of training for IT professionals in the field of economics, methods of optimization of economic systems as a mechanism for the effectiveness of training IT professionals, methods of mathematical modeling, in order to improve teaching methods, implementation of more effective mechanisms for training of IT professionals in the learning process are discussed. Methods of optimization of economic systems are important components of the training of future analysts and IT professionals. The use of traditional teaching methods in modern society is no longer enough to train IT professionals in the field of economy. There is a necessity to improve teaching methods, to introduce more effective ones into the educational process, managing the process of assimilation of knowledge, forming ability and skills, which are aimed at developing of a sustained conscious positive attitude towards their profession of future IT specialist, independent decision-making with problematic tasks, related to the exercise of professional functions.

Keywords

Duality theory, Economic systems, Optimization methods, Personal trajectory, Professionallydesigned tasks, Subject competence