

PEDAGOGY

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Determining the level of students knowledge implying the theory of fuzzy sets in the framework of the pedagogical experiment

It is considered the use of the theory of fuzzy sets in a pedagogical experiment to control the quality of education. New educational standards are aimed at forming a number competences to make a successful professional realization. This tendency requires new demands: necessity of componential orientation not only inside the educational process, but in its control and evaluation. To date scientific knowledge swiftly develops, not only theoretical science mathematizes, but majority of practical occupations. Great deal of future specialists need a serious mathematic training. When conducting a pedagogical experiment, the means of processing and determining the completeness of knowledge and the level of preparedness of cadets were taken into account. In the experiment, it is possible to display the uncertainties and inaccuracies of the assessments carried out in terms of the competence orientation of not only the educational process itself, but also its control and evaluation component.

Key words: pedagogical experiment, assessment of the quality of knowledge, theory of fuzzy sets, skill, evaluation of facility.

July 17, 2019