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**RESEARCHING OF PROFESSIONAL COMPETENCE OF FUTURE MATHEMATICS TEACHERS BASED ON ACMEOLOGY**

In the article the problem of professional training is considered. The article presents a theoretical justification of competence approach in vocational education. The author focuses on the formation of professional competence. Formation of professional competence of future teacher of mathematics reflects the content of the competency approach to education. The author has developed his own method of diagnostic criteria, indicators and signs of formation of professional competence of future teachers of mathematics. It is based on a fairly common and well-known diagnostic method used by many researchers. We used the following methods of diagnosis. Method of determination of the main reasons the choice of profession (according to E.N Pavlutenkov); research students motivational sphere, scale assessment necessary in the pursuit of constant achievements (by Orlov); studying logs of student achievement in academic subjects, study results of an independent, personal and scientific - research work of students; brief oriented test; questionnaire to determine the level of self-control in emotional and activity and others. The author describes the method developed diagnostic criteria, indicators and signs of formation of professional competence on the basis of Acmeology. The author highlights the results of a pilot study of this method on all criteria. There have been concluded that the level of formation of professional competence of future teachers of mathematics at the stage of zero shear.