

ABSTRACT

The aim of the diploma theses is to find out if the study in a form of an e-learning course is more beneficial to the student than the isolated study text. To find the benefits, the research among ninth grade students from two different schools was done. A study text called Functions for the ninth grade was prepared together with a collection of solved and unsolved problems. Based on this text an e-learning course called Functions for the ninth grade was prepared. The e-learning course was placed on the website linked <http://funkcepro9r.maweb.eu/>. For the communication of the students and the tutor of the course, for the completion of the compulsory tasks and for the carrying out the study agenda, the modul iTřída on the web link itrida.dumy.cz was selected. Both forms of the study materials were tested by the ninth grade students on two selected schools. The effectivity of both of the forms was tested by the written test. The evaluation of the both forms was done by the electronic questionnaire. According to the results of the written test, the students which used the isolated study text were more successful than the students studying the e-learning course. The results of the questionnaire verified that the study text was more acceptable for the students. The e-learning course did not suit the students studying in this form of study. The study text suited nearly half of the students studying in this form of study. The e-learning course came out of the research as less effective than the studying of the isolated study text. The expected benefit of the e-learning was not confirmed.