



CATHOLIC UNIVERSITY IN RUŽOMBEROK

Shaping minds and hearts

FACULTY OF EDUCATION

Hrabovská cesta 1, 034 01 Ružomberok

www.ku.sk, phone contact.: +421 905 153 624, e-mail: marketa.rusnakova@ku.sk

Projects at the Department of Mathematics, **Faculty of Education, CU**

VEGA

Project name: Analysis of critical points in school mathematics and identification of factors influencing students' attitudes to mathematics

Grant agency and project no.: VEGA 1/0079/19

Project duration: 2019-2021

Project leader for FE CU: doc. RNDr. Mária Jurečková, CSc.

Annotation:

There are areas in school mathematics - critical points that students repeatedly fail to manage at such a level that their mathematical literacy develops productively. This fact has been confirmed in recent years by the results of international measurements of knowledge and skills of primary school students in Slovakia. The aim of the project is to identify critical points in school mathematics using quantitative and qualitative analysis of the results of long-term testing of students. Based on the analyzes, ways will be proposed to improve students' knowledge in these areas. As part of the project, factors will be identified that dominantly influence students' attitudes towards mathematics in primary schools. The results of the project can be implemented in the training of future teachers of mathematics, but also in the further education of teachers.



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KEGA

Project name: Personalities of Slovak mathematics – life models for future generations

Grant agency and project no.: KEGA 020KU-4/2018

Project duration: 2018-2021

Project leader for FE CU: RNDr. Štefan Tkáčik, PhD.

Annotation:

The project is focused on mapping and capturing the life and work of important personalities of Slovak mathematics in the 20th century. They are or have been mathematicians, teachers, personalities and they have passed on their knowledge and experience, and many still pass it on to future generations, and as an added value to that knowledge they have "added" the love for mathematics and the ability of others to draw to this beautiful scientific discipline and subject. Last but not least, based on the life stories and references of individual personalities, we want to contribute to the popularization of mathematics as a subject (perhaps soon a compulsory graduation subject) and leave a living message for young generations that it is still possible and worth living, and still possible and worth to work and still it is possible and worth to be successful.