

Abstract

The thesis consists of two equal parts – of a part dealing with didactic aspects of teaching linear algebra, and of an unconventionally approached textbook *Fundamentals of Linear Algebra*, which is appended as a separate attachment. The didactic part deals with teaching mathematics, especially linear algebra, at the University of Economics in Prague, namely from the historical and methodological point of view. The thesis also includes a detailed evaluation of students' knowledge tests. The conclusions are largely portable to other non-technically oriented universities. The textbook is designed with respect to two levels of difficulty; it is written in the form accessible for students with lighter assumptions for the study of mathematics. The textbook is designed especially for students of universities where mathematics is not the main focus; it may also serve to interested high schools students as an introduction to a more advanced study of linear algebra.