Recommendations for Teaching Word Formation for Students of Linguistics Using Computer Terminology as an Example

Authors : Svetlana Kostrubina, Anastasia Prokopeva

Abstract : This research presents a comprehensive study of the word formation processes in computer terminology within English and Russian languages and provides listeners with a system of exercises for training these skills. The originality is that this study focuses on a comparative approach, which shows both general patterns and specific features of English and Russian computer terms word formation. The key point is the system of exercises development for training computer terminology based on Bloom's taxonomy. Data contain 486 units (228 English terms from the Glossary of Computer Terms and 258 Russian terms from the Terminological Dictionary-Reference Book). The objective is to identify the main affixation models in the English and Russian computer terms formation and to develop exercises. To achieve this goal, the authors employed Bloom's Taxonomy as a methodological framework to create a systematic exercise program aimed at enhancing students' cognitive skills in analyzing, applying, and evaluating computer terms. The exercises are appropriate for various levels of learning, from basic recall of definitions to higher-order thinking skills, such as synthesizing new terms and critically assessing their usage in different contexts. Methodology also includes: a method of scientific and theoretical analysis for systematization of linguistic concepts and clarification of the conceptual and terminological apparatus; a method of nominative and derivative analysis for identifying word-formation types; a method of word-formation analysis for organizing linguistic units; a classification method for determining structural types of abbreviations applicable to the field of computer communication; a quantitative analysis technique for determining the productivity of methods for forming abbreviations of computer vocabulary based on the English and Russian computer terms, as well as a technique of tabular data processing for a visual presentation of the results obtained. a technique of interlingua comparison for identifying common and different features of abbreviations of computer terms in the Russian and English languages. The research shows that affixation retains its productivity in the English and Russian computer terms formation. Bloom's taxonomy allows us to plan a training program and predict the effectiveness of the compiled program based on the assessment of the teaching methods used.