PREPARATION OF FUTURE MATHEMATICS AND INFORMATICS TEACHERS FOR COMPETENCY-BASED EDUCATION

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Abstract. *In recent years, the implementation of Competency-Based Education (CBE) has become a key priority for the Bulgarian educational system, representing a critical stage in the preparation of future teachers. Although these students have not been educated under the new paradigm themselves, with appropriate pedagogical preparation and methodological support they can effectively and rapidly apply its principles in school practice. This article analyzes the main challenges related to the teaching and implementation of CBE and presents a system developed and piloted in the training of mathematics and informatics students. The proposed approach integrates adapted task design and teaching methodologies aligned with the competence model. It supports interdisciplinary integration and the practical application of competencies, thus bridging education with the real needs of the labor market and ensuring learning outcomes consistent with professional standards and requirements.*

Key words: Competency-Based Education, Teacher Training, Mathematics and Informatics, Interdisciplinary Integration, Professional Competences, Project-Based Learning, Labor Market Relevance.

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