

ABSTRACTS

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CONTENT OF INTEGRATING UNIVERSITY SCIENCE AND EDUCATION

This article is about the pedagogical system of integration of university science and education as the aggregate of interrelated components, (target component, subject and object component, substantive component, technological component, motivational and incentive component) incorporated by the general aim of functioning and unity of guidance which are needed for creation of the organized and purposeful pedagogical influence on future teachers' university training, based on implementing educational process through research activity.

The substantive component of the pedagogical system has been elaborated. It includes the following directions: 1) students' work in scientific laboratories, centers and problem scientific groups and other scientific associations; 2) individual students' research work; 3) study of theoretical bases of arrangement, methodology, organization and implementation of scientific research, planning and organization of scientific experiments, processing of scientific data within the themes of specialized courses included in the curriculum; 4) independent scientific research in the process of pedagogical practice; 5) implementation of research tasks and also diploma, master's degree projects which contain the elements of scientific research; 6) participating in scientific activities which stimulate students' individual work and development of students' scientific and research work.

Key words: integration of science and education, pedagogical system, university training, future teacher, substantive component.