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Research Article

"IMPROVEMENT OF TEACHING MATERIALS TO STUDENTS IN THE PROCESS OF INDEPENDENT EDUCATION ON THE BASIS OF IMITATION-VARIATION"

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ABSTRACT

The article provides theoretical information on the implementation of the reforms in the field of education, specifically the technological and pedagogical modern educational materials of technical higher education institutions, aimed at improving the quality of educational practice by implementing them on the basis of imitation and variation.

KEYWORDS

Educational materials, imitation-variation, modern educational materials, quality education, professional competence.

INTRODUCTION

In the world, attention to investment in education is increasing, and a number of reforms are being implemented in higher education institutions to improve the quality of education. If we look at the foreign experience, the reforms in the field of education present an interventional technical education research aimed at improving the quality of educational practice through the implementation of technological-pedagogical modern educational materials of technical higher education institutions on the basis of imitation-variation.

Imitative-variational pedagogy mainly consists of teaching the analysis of the internal structure of texts in order to train and develop future personnel in the field of technical higher education. The main focus is on understanding technical texts with the help of pedagogical technologies, as well as expanding the possibilities of imitative-variability and visual-practical orientation of educational materials through a synergetic, hermeneutic and praxeological approach. It is aimed at forming in the minds of students the importance of content and technical education of teaching improvement technologies [1].

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Taking into account the goals set in the reforms carried out in the world's advanced international higher technical higher education institutions, teaching on the basis of imitation-variation is an educational process for future engineers, primarily at present. is the opportunity to learn and use learned research in entirely new settings or situations in the future.

Methods. Theoretical and methodological bases of organizing independent educational activities. Through this article, we will show how teaching on the basis of imitation-variation can improve the professional competence of students of technical higher education institutions or the components that make up the technological culture of their profession and their role and content in the teaching of specialized subjects. We show that it is a matter of developing understanding or creating ways to improve them from a technological point of view. In this process, the main fundamental and a priori factor is the imitative model.

According to foreign experience, the educational process in the credit-module system consists of 2-4 modules per semester. The subjects included in the module are formed from easy to complex, from theoretical-methodical subjects to applied subjects and based on the principle of logical complementarity. In order for a student to become a specialist, it is necessary not only to acquire information, but also to be able to process it and put it into practice.

Module-based training programs are developed based on a special scheme and include:

– full disclosure of educational goals and tasks;talabaning fanni (kursni) boshlashi va requirements for the qualifications to be acquired after graduation;

– a summary (syllabus) of each subject included in the module, i.e. topics of lectures, a plan of seminars and practical exercises, tasks intended for the evaluation of independent education;

– a brief description of teaching: methods and means of teaching; consists of methods and forms of knowledge assessment.

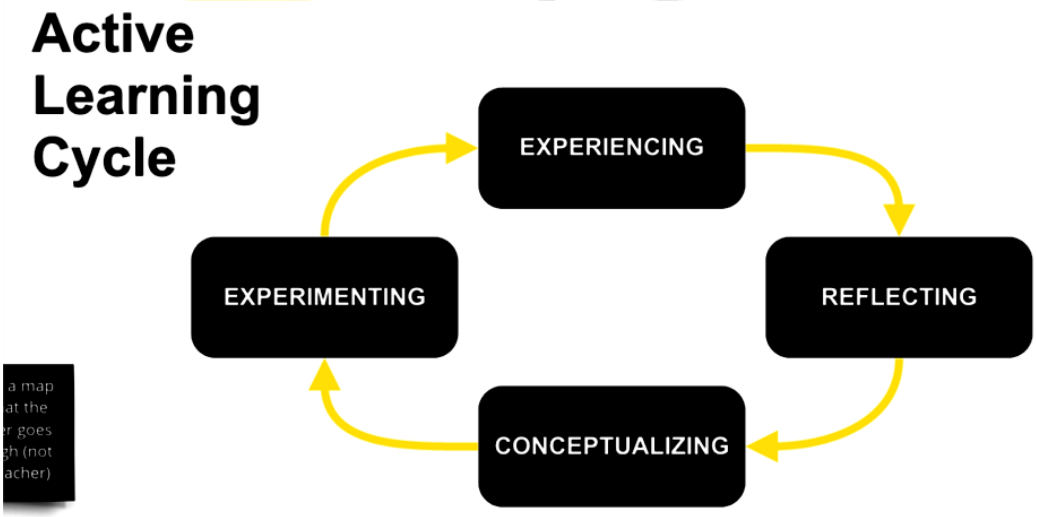

Figure 1. Planned program of study based on independent study

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RESULTS

The introduction of the credit-module system is an important factor in the cooperation between the teacher and the student. In modular education, the pedagogue organizes, manages, advises and checks the student's learning process. The student moves independently towards the directed object. The greatest emphasis is placed on independent education of students. The importance of independent education in the educational process will increase, and this will lead to an increase in the independence, creative initiative and activity of specialists in the future. In the credit-module system, university students always have the opportunity to receive help and advice from teachers and fellow students [2]. This strengthens mutual cooperation and serves to form teamwork skills.

Today, the rapid development of the innovative sector in the life of society, the growth of the share of intellectual products, information and scientific-technical and innovative activities in the economy has led to the fact that innovations, like minerals, production capacities and intellectual potential, are considered the wealth of the country. Effective use of innovative and scientific and technical potential for the benefit of our country and each of its citizens would not have been possible without the formation of a comprehensive innovation policy in the country and the creation of legislative foundations for its implementation [3].

With the implementation of market reforms, the integration of the country into the world community, the change of the world economic system towards the growth of the role of knowledge and information, the strengthening of relations between new technologies and the capital market, the transition of our country's economy to the path of innovative development becomes of urgent importance.

DISCUSSION

Based on the above-mentioned points, it can be concluded that the reflexive and axiological approach determines the complete description of the studied process in terms of content, including the effective planning of technologies for improving the teaching of educational materials to students on the basis of imitation-variation in the process of independent education, provides organization and diagnosis.

The experience of the exchange of professional skills with aspects of the quality management system of the creative-modeling learning environment, which ensures the formation of targeted imitative variability in the future quality education or increasing the importance of independent education, serves to clarify the role of the student in the independent education process. A large part of modern professional educational practices, in one way or another, is a dynamic, complex structure related to the provision of imitative-variability and represents a certain risk for the engineer, and in the scientific literature, often "engineer-machine" intelligence the so-called environment.

This situation explains the great interest of specialists in the field of vocational education in the development of active and interactive educational technologies in the simulation environment, in which the studied professional systems are replaced by their models, and their integration into the pedagogical process.

The development of simulated learning environments is not only in the independent learning process, but also for the traditional learning process in digital education. Their design in the form of software is carried out before work, which summarizes and schematizes positive and negative professional experience. analysts, the role of teachers in the implementation of causal relationships and relations of

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learning, and the integration of a large variety of skills into the learning process and the final environments, thus demonstrating the formation of a holistic didactic system.

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