



CONTENT AND METHODOLOGY OF ORGANIZING PILOT WORK IN THE TEACHING OF THE RULES OF LABOR PROTECTION AND TECHNICAL SAFETY IN HIGHER TECHNICAL EDUCATION

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Article history:	Abstract:
Received: 28 th July 2023 Accepted: 26 ^h August 2023 Published: 30 th September 2023	In higher technical education, it is important to analyze and summarize the results obtained in the process of developing the methodological foundations of teaching the rules of labor protection and technical safety, to develop a methodology for determining the level of efficiency. In this article highlights of content and methodology of organizing pilot work in the teaching of the rules of labor protection and technical safety in higher technical education.
Keywords: methodology, labor protection, technical safety, higher technical education, modern education, teaching quality.	

Accordingly, one of the important conditions for determining the effectiveness of the pedagogical system, aimed at developing the methodological foundations of teaching the rules of labor protection and technical safety, is the correct Organization of experimental and test work. The experimental test-work included the emphatic, substantiating and formative stages. On the basis of these stages, the feasibility of developing the methodological framework for teaching the rules of labor protection and technical safety in higher technical education is compared, analyzed and scientific hypotheses are put forward based on the results.

The harmonization of the ideas expressed in the theoretical part of the research work with practical developments, a comprehensive analysis of the existing pedagogical process, elimination of identified shortcomings and enrichment of achievements were determined during the emphasizing experimental and test work. Accordingly, special attention was paid to the development of a program that includes a system of special indicators in order to effectively organize the work of the stressed pilot and test carried out. On the basis of this program, indicators ensuring the feasibility of experimental and test work carried out on the development of methodological foundations for the teaching of the rules of labor protection and technical safety in higher technical education, as well as the methodology for determining the effectiveness of experimental and test work were covered.

The main goal envisaged from the construction of this program is to determine the optimal form, method and means, by identifying and thoroughly studying the practical aspects of improving the effectiveness of experimental work, based on the concept, object, subject, tasks and advanced scientific hypotheses of research.

During the experimental work, the following pedagogical tasks were solved:

1. Test sites have been identified.
2. Pilot dates, stages were set, and private tasks to be carried out at each stage were determined.
3. The number of participants in the pilot process, i.e. respondents, was determined and separated into experimental and control groups.
4. Respondents were informed of the implementation of pilot work.
5. Those responsible for organizing the pilot work were identified.
6. Preliminary developments were prepared as experimental materials, and its content was discussed at meetings of university councils as a research base.
7. The pedagogical capabilities of the modular course program "labor protection and technical safety" in this direction were studied.
8. With the help of methods such as questionnaire, test, interview, interview, observation, sociological research, the methodological basis for teaching the rules of labor protection and technical safety in Higher Technical Education was determined.
9. In Higher Technical Education, the optimal forms, methods and tools used in the process of developing the methodological foundations of teaching the rules of labor protection and Technical Safety were determined.
10. The developed methodology was tested in an emphatic pilot process and its results were analyzed.

11. To achieve the determination of the effectiveness of the developed methodology. To this end, in the experimental test areas considered an object of study, the methodology presented in training outside the audience and audience was used and its effectiveness was determined, changes were made to its content in the necessary cases.

12. In Higher Technical Education, transformative and controlling experiments aimed at developing the methodological foundations of the teaching of the rules of labor protection and Technical Safety were organized in a consistent way and conditions were created that ensured their successful course.

13. The experimental indicators summarizing, highlighting, modifying, as well as controlling the results of the experimental work were compared among themselves, a final conclusion was made on the basis of efficiency, and the overall results were processed using a mathematical-statistical method.

The experimental and test work organized to develop the methodological foundations of the teaching of the rules of labor protection and technical safety in Higher Technical Education was carried out in accordance with the following principles:

- specific targeting of experimental test work;
- ensuring consistency, systematicity and continuity of experimental test work;
- the presence of interaction between the theoretical foundations of the problem and practical developments;
- the fact that respondents were able to freely realize their capabilities;
- the emergence of a favorable pedagogical situation in order to achieve the main goal, which is intended from the organization of experimental and test work.

The development of methodological foundations for teaching the rules of labor protection and technical safety in Higher Technical Education the success of pilot work was ensured by the creation of the following pedagogical conditions:

- the fact that the content of experimental materials is selected based on the main purpose;
- selection of didactic tools, forms, methods and techniques corresponding to experimental test materials;
- the fact that the participants in the pilot – testing process-were able to be able to compare the number of respondents, give an opportunity to compare;
- full-fledged awareness of the content and essence of the experimental work of respondents;
- the establishment of intimate communication and interaction between the researcher or the leader-educator responsible for organizing this activity and the respondents in the implementation of pilot work;
- the possibility of being able to communicate with respondents in order to establish pilot work;
- continuous generalization analysis of the results of experimental and test work;
- determination of mathematical-statistical methods that provide the possibility of reanalysis of general results.

Particular attention was paid to the following when organizing pilot work:

1. To achieve personal and professional socialization of students in the process of developing methodological foundations for the teaching of the rules of labor protection and technical safety in Higher Technical Education.
2. Reliance on complex pedagogical factors in the development of methodological foundations for teaching the rules of labor protection and technical safety in Higher Technical Education.
3. To achieve in-depth assimilation by students of the scientific foundations of the rules of labor protection and Technical Safety.
4. To achieve the formation of scientific and technical creativity on the basis of the development of methodological foundations for the teaching of the rules of labor protection and technical safety in Higher Technical Education.

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