



SPECIALIZATION IN HIGHER EDUCATIONAL INSTITUTIONS TEACHING SUBJECTS

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Article history:	Abstract:
Received: September 20 th 2021	This article presents a clear formulation of teaching techniques is a key factor in improving the quality of the lesson. The fact that the mass education together with the technology will be conducted on the basis of a clear plan of practical training will serve to improve the quality of Education. Specialty subjects are shown with examples of obtaining an effective result using advanced pedagogical technologies.
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INTRODUCTION

The dynamics of the rapid development of the economic and reform process in the world is in the task of training highly qualified specialists who are capable of creativity and initiative before the educational system, are able to make independent decisions and are capable of rapid adaptation to technical technologies. In addition, one of the most important tasks facing higher education systems is to achieve educational efficiency through the wide use of innovative technologies and advanced experience in teaching, their introduction into the educational process and the application of professional education experiences of developed countries to the educational system of our country.

MATERIALS AND METHODS

It is known that higher education is the main link of continuing education. Today, the purpose of higher education is an indicator of the preparation of highly qualified, competitive personnel worthy of providing socio-economic and cultural development of the republic, independent work in the conditions of market economy in the specialty chosen by it. Therefore, having a systematic knowledge of the connection of future specialists with the worldview, being aware of the current issues of state policy, independent analysis of social problems and processes, being able to express his opinion on spiritual, national and universal values and be able to form scientific basis, forming similar and similar skills, joint cooperation with humanitarian and socio-economic sciences is carried out [1].

As you know, the lesson is the main form of Education. He must be scientific, systematic, conscious, understandable and active. Due to the current modern

requirements, ensuring the effectiveness and success of specialist science lessons is largely dependent on the correct Organization of training. In this place, it is necessary to take into account the preparation, skills of the teacher, the advanced pedagogical technologies used in teaching. Modern teaching is necessary to ensure that students are conscious of their knowledge and to ensure that they are able to achieve a sufficiently high level of success. This can be achieved when the teaching becomes progressing, that is, when the mental development of the students has provided them with a high level of cognitive abilities and interest" the teacher who can properly choose the objectives, content, techniques, tools and shapes of the teaching can properly organize the learning process.

Discussions. Specialization before thinking about the teaching of Sciences, first of all, is a bottleneck to its basic concepts: education is the process of acquiring knowledge, qualifications and skills, the main means of preparing a person for life, Labor. In the process of education, knowledge is mastered and education is carried out. Educational activity covers the following in its composition: a) the acquisition of information about the necessary characteristics of the universe for the successful organization of a certain type of experimental and practical activity (the product of this process is necessary to take into account. Modern teaching is necessary to ensure that students are conscious of their knowledge and to ensure that they are able to achieve a sufficiently high level of success. This can be achieved when the teaching becomes progressing, that is, when the mental development of the students has provided them with a high level of cognitive abilities and interest" the teacher who can properly choose the



objectives, content, techniques, tools and shapes of the teaching can properly organize the learning process [2].

All actions of a person guided by a conscious goal in the assimilation of certain knowledge, skills and abilities will be associated with education. The essence, purpose and content of education is determined by the cultural development of society, the development of Science and technology, the level of implementation of production technologies, etc. Depending on the social relations, the need and need for general knowledge, the professional training of people, the ideas about education, the essence, purpose, content, forms of Organization of education, methods and tools of implementation change and improve in the different periods (stages) of personality society.

Methodology is a branch of science that includes methods and means of teaching, legislation, rules, forms of organization, control of implementation and results of pedagogy, evaluation. Each educational science, field of study is built on the methodology of teaching objectives, content, techniques and organizational appearance. Principle-these are generally accepted rules. It expresses the relationship between one or several concepts. Skill is the successful performance of students' effort in the labor process or complex of actions in accordance with the Max in certain conditions. Qualification is the automatic performance of students in the process of work or a set of actions in a clear, fast, purposeful manner.

EXPERIENCE-THE MECHANISM OF CARRYING OUT THE TEST WORK

The experimental and testing work was carried out on the basis of a training program on the subject of "electric machines" in the groups 606-19 and 604-19 of the directions of "electrical engineering, electrical mechanics and electrical technologies" of the Institute of engineering and technology of Bukhara. The purpose of the experimental-testing work: the direction "electrical engineering, electrical mechanics and electrical technologies" consisted in determining the level of effective use of pedagogical conditions that allow students to organize the use of modern pedagogical technologies in educational processes, develop one that motivates them to receive independent education.

In order to determine the effectiveness of experimental testing, students were assigned to "experimental" and "control" groups on an equal basis. Of these, 25 students from 606-19 groups were carried out on the basis of experience and 19 students from 606-19 groups on the basis of supervision. In the experimental group, practical activities were carried

out on the basis of methods recommended by researchers and helping to ensure the formation of students' levels of use of modern pedagogical technologies, while in the control group, educational and educational work was carried out in the traditional order.

The assessment of students' knowledge was carried out on the basis of the system of 5 points. Experimental and testing works were carried out in accordance with the state standards of training and educational objectives. In the experimental-test work, the course process in the "control" group was organized in the traditional way. In the form of such a lesson, the teacher actively yani lectures, the students perform only the task of the listener. Students keep in memory what they hear, answer some given questions. In the "experience" Group, the teaching process was carried out in an unconventional form, designed on the basis of pedagogical technologies. In this, the teacher designs the subject in advance. On the basis of instructional technology, the course is purposefully implemented. In the lesson of this form, the center of the educational process is occupied by the student personality.

In the course of the experiment, sessions based on several technologies and techniques such as "problem", "debat", "Case study" method, "working in small groups", "B/B/B" method were organized. Visual techniques were used in explaining the practical activities and topics of the "electrical engineering, electrical mechanics and electrical technology" direction, problematic situations were created, discussions were organized and shared with the students' opinions. The purpose of such an approach is to develop creative activity in students, to form independent thinking and to develop creativity [7]. In the course of the experiment, the selection of purposeful content for the lesson, showing the correct methods of delivery of educational materials to students, the analysis was carried out on the basis of the instructions that the students could apply their acquired knowledge during the practice period.

RESULTS AND DISCUSSIONS

"Problem" technology

The technology of "problem" is to teach the students to find the right solution to various problematic issues or situations arising from the subject matter of the study subject. From them, the formation of skills for determining the essence of moammo. Familiarize yourself with some of the ways of solving the problem and teach you the correct choice of appropriate methods in solving the problem. To teach how to correctly identify the causes of the origin of the problem and the letter in solving the problem. After



the teacher has separated the students into groups and placed them in their appropriate places, he / she will understand the procedure and requirements for the training, that is, he / she will say that the training will be phased out and that each stage will require maximum attention from the students, during the training they will work alone, as well as the group and Such a mood will help the students to be ready for the fulfillment of the given tasks and will be of interest to the fulfillment. After the procedures and requirements for training are explained, the training begins.

Subject: Transformers.

The following graph distributed by the students records the problem each group member chooses and analyzes it independently.

They fill the problematic table

Type of problem	Causes of the origin of the problem	Ways to solve the problem and your actions

Keepsake

Type of problem	Causes of the origin of the problem	Ways to solve the problem and your actions
Increase in waste of electricity	Errors allowed when choosing Transformers.	Selection and installation methods of Transformers.

As a result of the training conducted with such technology, students will be able to understand that before solving the problem, they must first determine its cause, and then choose the methods and methods that are necessary for them, as well as accurately determine their actions.

The initial state of the students in the experimental-test classes

(Table 1)

Experiment stage and academic year	Training institution	Number of students		Degree (mastering)	Experimental group	In the control group
		Experimental group	In the control group			
	Bukhara			Highes	5	3

2020-2021 Academic year	Bukhara engineering and Technology Institute higher education institution	25	19	Good (excellent)	(20%)	(16%)
				High (good)	7 (28%)	3 (16%)
				Medium (satisfactory)	13 (52%)	13 (68%)

It was taken into account that the students in the group meet the requirements of state educational standards. In order to determine the effectiveness of teaching specialized subjects on the basis of modern educational technologies on the basis of experience-testing, the final questions received from students, the results of tests and generalizing classes were analyzed in terms of quality and quantity. The table below shows the change (in number and%) in the dynamics of the level of knowledge of students in the process of teaching on the basis of modern educational technologies.

The indicators of the formation of skills and competences of students in the direction of "electrical engineering, electrical mechanics and electrical technologies" using modern pedagogical technologies in the field of training were expressed on the basis of Table 2.

(Table 2)

Experiment stage and academic year	Training institution	Degree of mastering	Experimental group		In the control group	
			At the beginning of the experiment	End of experience	At the beginning of the experiment	End of experience
2020-2021 Academic year	Bukhara engineering and Technology Institute higher education institution	High (excellent)	5 (20%)	8 (32%)	4 (21%)	6 (32%)
		High (good)	5 (20%)	10 (40%)	3 (16%)	7 (36%)
		Medium (satisfactory)	15 (60%)	7 (28%)	12 (63%)	6 (32%)



So, based on the results from the table, it turned out that the methodology used in the experimental group was more effective than in the control group. As can be seen from the following results, the direction "electrical engineering, electrical mechanics and electrical technology" increased in comparison with the experience Group, the control group, the formation indicators of students' skills and qualifications using modern educational technologies in the field of training. The above experience-the state of the test work shows that the use of educational technologies in the course processes: guarantees both the level of knowledge of students and the quality of the course.

CONCLUSION

It is known that the main goal of any pedagogical process is the formation of knowledge, skills and abilities in the educational sphere. This thing happens through the exchange of data. Data can be made through various technical means: computer, video images, multimedia, etc.

The use of interactive teaching techniques in tutorials certainly has a positive impact force. Because active teaching techniques are understood to generate knowledge and skills primarily through discussion and discussion. Discussion of the topic or problem of the study in collaboration with the teacher in the conditions of the group determines the path of dialogue. Therefore, this method not only faxes the audience, but also ensures the presence of creative need in the audience and the presence of a harp participant in the exchange of ideas. From the object of the process of reading the YAA from the audience becomes its subject.

Thus, in the process of such a course-pedagogy, organized on specialty subjects, the activity of students is further increased, positive abilities in them are developed. In the process of using interactive methods, each of the students will be able to express their opinion on the issue under discussion, the ability to think critically is formed.

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