Forms and Methods of Teaching in Distance Learning

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Abstract: This article provides facilities for teachers in distance training. Information on the forms of distance training (lecture, consultation, laboratory, practical, control work, independent work, webinar) and teaching methods (reproductive, problem-based learning, heuristic, scientific research, design, game) is provided.

Keywords: distance education, form of education, teaching method, exposure, webinar, class-lesson, consultation, independent work, design, reproduction.

Today, the continuous education system requires a radical revision of teaching technologies. It is felt that the class-lesson form proposed by Jan Amos Comenius, which continues to this day, is losing its power. Because it is unable to individualize teaching, strengthen creative potential, realize personal interest and individual characteristics of students. "But not everyone refuses to solve the problems of class-lesson or frontal pedagogical models and optimization of the educational process. Some of them are supporters of the above."

Therefore, today it is necessary to review the didactic principles of teaching, scientific-methodical approaches, teaching forms, methods, tools and technologies based on the requirements of the time.

In particular, many people highly value teaching based on the principles of humanistic, based on life experiences, cooperative teaching, individualization of the educational process, and the principles of self-development.

The general requirements for the organization of training based on the above principles include the following. Complexization of methodological recommendations (explanation, knowledge, design, reflection, etc.), individualization and intellectualization of learning methods and rules, humanization of imparted knowledge, creative acceptance of educational material, communicativeness and informativeness of used didactic tools, high motivation for teaching to form the cognitive abilities of the listeners at a high level.

Today, the form of education that fully meets these requirements is distance training. The experience of distance training provides an opportunity to systematize the most optimal forms, methods, and tools of the educational process today.

Forms of distance training. The most popular forms of teaching such as lectures, seminars, laboratory work, practical exercises, problem solving, demonstration experiments, control work, qualification work, control test, consultations and independent work have been developed in the course of teaching physics in the class-lesson system, which is a traditional form of qualification improvement. All of them have their place in the distance education system.

We will consider some features of the use of the above-mentioned forms of teaching in the remote qualification of informatics teachers.

The lecture is the main form of training aimed at theoretical training of the audience. In the distance training of informatics teachers, the general requirements for the lecture, i.e. scientificity, popularity, unity of form and content, and connection with other types of educational training are preserved.

There are different approaches to conducting lectures in the system of distance professional development of teachers. "Electronic lecture" is preferred among them. In addition to lecture texts, the electronic lecture includes additional materials - scientific articles, training manuals, laboratory works, demonstration experiments, methodical recommendations for organizing problem solving and other educational materials. An electronic lecture gives the listener an opportunity to think, think, analyze, repeatedly refer to unclear or complex parts of the text.

Consultations are one of the trainings conducted in the form of working with students and assisting them in independent study of educational materials, and can be individual or group. During the consultations, the intellectual and moral qualities of the individual characteristics of the listener, especially attention, memory, thinking, and reasoning abilities emerge from the psychological and mental characteristics.

Consultations between the tutor and the student on complex or urgent issues regarding the method of teaching subjects in the remote qualification of teachers are mainly carried out by phone, e-mail, webinars.

Laboratory work, demonstration experiments, solving problems. These types of training are of great importance in the teaching process.

For experimental sciences, which are based on practical experiences, theoretical knowledge can be thoroughly mastered only on the basis of conducting appropriate demonstration experiments, performing laboratory work and solving problems.

Therefore, in teaching subjects, along with providing teachers with theoretical knowledge, organizing and conducting laboratory work, demonstration experiments, problem solving to strengthen, deepen, expand and connect this knowledge with practice are important components of the educational process.

Control works. Control work in the process of distance training is related to checking the results of students' theoretical and practical mastering of educational material.

In our opinion, the test method may have advantages in evaluation, but it cannot be the only system for evaluating the competence and professional skills of teachers. It can be said that different forms of assessment are used in the distance professional development course of teachers. Such forms of assessment include diagnostic questions, creative self-assessment exercises, and assignments.

Independent work. This is a well-known form in the traditional training system. But it is considered the main in distance training, and the independent work of the listeners can be individual, pair or group. It is known from existing experiences that organizing mutual support among group listeners during independent work shows its positive aspects.

Webinar is a form of conducting interactive training sessions with listeners over the Internet using special software. The term webinar is derived from the English word "webinar", which means a seminar over the network.

In the course of distance professional development of teachers, the tutor can make a presentation based on text documents, various multimedia tools, virtual laboratories during training through a webinar, and can write various notes and draw pictures on his virtual board related to the topic of

the seminar, that is, he can work as if he was working on an electronic board in a traditional form. an opportunity to go is created.

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