INFORMATION TECHNOLOGIES AND TRAINING FACILITIES AT ZAPORIZHZHIA STATE MEDICAL UNIVERSITY

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Abstract. The article describes the features of the use of innovative technologies in the educational process of the Zaporizhzhia State Medical University. The purpose of innovative technologies in the educational process is noted. The main types of innovative technologies embedded in the educational-pedagogical process, namely the Moodle system and the system of distance learning of students and applicants of Zaporizhzhia State Medical University, are listed. The goals and benefits of innovative education are given. It has been established that the use of innovative teaching tools significantly improves the efficiency of teaching, allows to improve the educational process, increase students' interest in learning, and prepare the young generation for life in the information society.

Keywords: innovative teaching methods, distance learning, education.

Introduction. At present, global changes in the educational system are taking place practically around the world. One of the major factors contributing to the reorganization of the university model of education is the process of globalization that has affected almost all aspects of modern life, as well as the informatization of the educational process, which is associated with the widespread use of innovative computer technologies [1, 2].

One of the urgent needs of modern education is the search for effective ways to ensure a high-quality education system and qualitative professional training of specialists in higher educational institutions. The possibility of solving this problem depends on many issues that are priorities in one or another period of social development and determine the vector of scientific research: the level of professionalism of teachers-educators, which ensure the process of preparing the person for public and professional life; effective forms of teaching, the latest methods and technologies of the educational process in higher educational institutions, innovative teaching methods [3−5].

The use of innovative teaching technologies in the educational process promotes the individual development of the learner, makes it possible to make an independent decision and to choose the methods of training, to form professional competence, skills and abilities of mental activity, to choose convenient time for training.

Research results.

Using modern teaching methods, the educator has an opportunity to use many effective learning techniques, various auxiliary devices and interesting materials for students in his work. Students are more interested in practical classes and lectures on which various visual materials are used, such as interactive whiteboards, visual materials, layouts, video lectures, etc., become more attentive and better memorize learning material in comparison with traditional ways of learning.

Modern education systems use different information technologies for distance learning: online courses, teleconferences, webinars, and other. The educational model based on the LMS (Learning Management System), a learning system used for the development, management and distribution of the online teaching materials with shared access, is popular.

In Zaporizhzhia State Medical University, LMS Moodle (Modular Object-Oriented Dynamic Learning Environment) is used to organize distance learning. The first version of Moodle was released in 1999, and today it is used in more than 200 countries and is available in 75 languages.

For teachers, Moodle offers an easy-to-use platform for managing the training course, including the ability to create interactive tasks, check the performed work and place ratings for them, as well as to communicate using the forum and other resources. The teachers of Zaporizhzhia State Medical University have developed a certain number of courses that are available on the university page and are open to the students' free access.

For students, Moodle allows the learning process to be as interactive and independent as possible. Each participant in the course is assigned a role (course manager, mentor, student, guest), and each has access to a certain amount of resources.

The teacher in certain discipline develops a training course and prepares e-learning resources and means of learning control: e-books, e-lectures, presentations, dictionaries and glossaries, tests, situational tasks, videos, etc.

The training system has a specific scheme. The instructor registers the student in the system, resulting in a unique login and password that is required to enter the system and access to educational materials. The study course is divided into sessions with the prepared theoretical material to be studied by the student. The student performs situational tasks that must be completed and uploaded to the system for evaluation by the instructor. Also, to test the level of knowledge, the student passes a testing session. If during the study process students have questions, then they have the opportunity to send their questions to the teacher. The teacher checks the tasks performed by the students and sends grades, as well as checks the results of the test, analyzes the mistakes made by the student and sends comments. The instructor checks messages from students and answers to them. All files sent by the student, grades, test results are stored in the electronic journal.

The development of information technologies promotes the emergence of new innovative teaching methods, in particular, distance learning and its application in the pre-university education system of Zaporizhzhia State Medical University. The analysis showed that the use of distance learning helps to resolve certain socio-economic problems and promotes the emergence of new opportunities for people in education.

The use of information technology in education, the development of distance education changes not only the teaching methods, but also the system of education in general, promotes the emergence of new opportunities for improving the education system.

These opportunities are also used to improve and develop the system of pre-university education of Zaporizhzhia State Medical University. Since 2012, Zaporizhzhia State Medical University has distance training courses in biology, chemistry, Ukrainian language and literature, which are analogous to the 3 month Zaporizhzhia State Medical University face-to-face training activities. The use of informational computer technologies automatically extends the audience. Students from geographically remote areas have the opportunity to prepare for admission to a medical university, study requirements and critically evaluate their strengths.

The advantages of distance courses

1.Time Savings: The applicant has the opportunity to get an education at home. It is not necessary to spend several hours on weekends on the road and training. One can study at any free time when there is the desire and the strength to learn, even without leaving his own home.

2. Saving money. First, the cost of distance courses is less than the cost of the corresponding day courses. Secondly, expenses on the road and associated costs are excluded.

3. Ensuring social justice. Certain groups of the population - residents of remote areas, people who are limited in their movements who do not have the opportunity to come, have equal access with other layers of the population to educational materials that will help with admission to medical universities

4. Possibility of round-the-clock access to educational materials. Course materials are available anytime. It is possible to reread the abstract of the lesson as many times as necessary, in contrast to a lecture read in person.

5. Ability to verify the level of learned material. First, the teachers develop tests for each lesson. Testing on each course topic positively affects the skills of passing an EIT, since the main form of EIT is testing. Secondly, in contrast to the daily courses, the cadet has the opportunity to check the level of mastering the material.

6. Individual assistance. If the cadet has a question about the material, then he has an opportunity to communicate with the teacher. He can prepare and send a question to the teacher on the topic. The teachers on the day of counseling answer the questions of the students, help to solve complicated tasks,

Conclusions. Thus, it can be concluded that the use of innovative teaching tools significantly increases the effectiveness of teaching, promotes the availability and efficiency of education for everyone, allows to improve the educational process, increase the interest of students in learning, and prepare young generation for the life in the information society.

The development of distance education in the university should take place as a component of state policy in the field of development of the system of distance education. This will ensure not only the functioning of distance education in the university as an equivalent form of training with the issuance of state documents, but also will increase the efficiency of the national educational system by ensuring wide access of the population to educational resources and creating conditions for continuous lifelong learning.

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