

ΛΟΓΟΣ



THE ART OF SCIENTIFIC MIND

COLLECTION OF SCIENTIFIC PAPERS

WITH PROCEEDINGS OF THE II INTERNATIONAL SCIENTIFIC AND PRACTICAL CONFERENCE

SCIENTIFIC PRACTICE: MODERN AND CLASSICAL RESEARCH METHODS

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THE IMPORTANCE OF ELECTIVE ACADEMIC DISCIPLINES ON THE PLATFORM OF ONLINE COURSES IN THE IMPLEMENTATION OF THE INDIVIDUAL EDUCATIONAL TRAJECTORY OF A STUDENT AT ZAPOROZHYE STATE MEDICAL UNIVERSITY

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UKRAINE

At the present stage of development of education, distance learning is becoming increasingly important among pedagogical technologies. Distance learning is a form of education in which the best traditional and innovative methods, tools and forms of learning based on computer and telecommunication technologies are used in the educational process. What are the benefits of distance learning? First of all, there are such advantages as an opportunity to choose the place and time of study; opportunity to study without separation from the main activity; accessibility for those who live in remote areas; freedom of choice of educational institution; freedom of choice of disciplines for study.

Widespread introduction of modern computer and telecommunication technologies into everyday life and the system of higher education create conditions for the development of distance learning. There are many types and ways of organizing distance learning, but, in terms of accessibility and efficiency, the technology of blended learning is most consistent with the features of the educational process in medical school [1].

Pedagogical technologies of blended learning allow to use mobility, adaptability, flexibility of distance learning with the advantages of the traditional form of organization of the educational process. Currently, there are many models and formats of blended learning, such as the rotation model, flex-model, self-blend model, the method of inverted learning and others [2].

The model of blended learning is a purposeful learning process that combines the methods of traditional classroom learning with a teacher with distance learning technologies, the purpose of which is the formation of professional competencies in accordance with the scope of curricula and studied disciplines.

In the case of a blended learning model, the material in online courses is presented through several channels (video lectures, description of the lesson in text form, links to additional materials, discussions on forums and social networks). This whole complex helps the student to choose the most convenient way of understanding and perception of information [3].

Distance learning can be as effective as traditional. Massive open online courses on the Internet are actively displacing other forms of distance learning. The Moodle and Open edX platforms are the most common online course management systems. At the same time, the edX platform is newer and has open source, which gives it a significant advantage over Moodle.

The process of creating an online course includes such steps as: developing a work program, developing a script for an online course, filling the script project with educational material and technical transfer of the script to Open edX Studio.

The first step in creating online course materials is to develop a work program, according to the hours provided by the curriculum. It should be noted that this is a distance education and some lectures can be recorded in video format, and some material can be taught online. This combination will help to get acquainted with the theoretical material of the course and have a conscious idea of the discipline. After approval of the work program, a draft scenario of the online course is developed. The draft script is an extended online course plan. It is planned how long it takes to develop individual topics, prepare videos, multimedia support; time is planned for technical processing and filling in the material of the created course on the Open edX platform. It is advisable to assign a responsible author for each of the processes. Additionally, the time for testing the course and the frequency of updating the course material with new information is planned.

It is very important to remember that distance learning has all the components inherent in the learning process - goals, content, methods, organizational forms, learning tools [2]. This is all reflected in the relevant sections of the draft script. It is necessary to disclose these components: provide the structure and annotation for each section of the online course; reveal the purpose of training, the list of skills, indicate the necessary technical support, glossary and structure of teaching theoretical material for each topic. Additionally, it should be added a list of figures, diagrams, tables, videos. It is necessary to plan the forms and methods of control of students' knowledge and tasks to be performed by students of the online course. At the end of the draft script, a list of recommended reading is provided, including references to the fund of electronic documents of well-known libraries of Ukraine.

The next stage is to fill the draft script with ready-made theoretical material, links to video lectures, other multimedia and links to tasks for assessing the knowledge of course participants. After that it comes a new stage of work on the online course - the technical transfer of course materials to the Open edX platform in Studio.

The author responsible for the technical implementation of the course (course administrator) creates a course in Open edX Studio, creates a course team and gives them the appropriate authority; creates the course structure and adjusts the start time of registration for the course and the time of issue of each section and topic. Appropriate forms of control are programmed, forms of communication between students and tutors of the course are organized, in case of successful mastering of the course, if necessary, it is possible to program the issuance of an electronic certificate to students who have fulfilled all learning conditions.

Access to the full suite of Microsoft Office 365 tools allows students to properly master the course materials and communicate quickly with the tutor.

Using the Open edX platform at Zaporizhia State Medical University, the Department of Physical Rehabilitation, Sports Medicine, Physical Education and Health created distance online courses to study such elective subjects as "Actual problems of physiotherapy, balneology and rehabilitation" for 4th year students [4]

and "Medical Rehabilitation" for 6th year students [5] of educational level "specialist", and the distance online course was created for independent work of students of the normative discipline "Physical Rehabilitation and Sports Medicine" [6].

A survey of students who successfully mastered these online courses showed that almost all students are provided with personal mobile devices and access to the network, they have enough skills to work with computer-based learning tools and this form of learning greatly motivates self-improvement and self-development.

The experience of creating, administering, tutoring of online courses has shown that the development of Internet technologies in modern conditions provides a range of different tools for placement and delivery of educational content to the student, interactive interaction between student and teacher, teacher coordination of cognitive process, of course, increases his creativity and skills .

Thus, distance learning technology is more flexible than traditional. It is aimed at learners, creates the most convenient conditions for students to learn the material 24 hours a day and 7 days a week. Distance learning allows to move away from the school system of teaching material. However, such teaching methods require a high level of teacher training. The teacher must have modern pedagogical and information technologies and be psychologically ready to work in a new learning environment.

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