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IMPLEMENTATION OF MODERN INFORMATION AND COMMUNICATION TECHNOLOGIES ON THE BASIS OF THE MOODLE TRAINING MANAGEMENT SYSTEM IN THE EDUCATIONAL PROCESS IN THE STUDY OF THE DISCIPLINE "INFECTIOUS DISEASES" ВПРОВАДЖЕННЯ СУЧАСНИХ ІНФОРМАЦІЙНО-КОМУНІКАЦІЙНИХ ТЕХНОЛОГІЙ НА БАЗІ СИСТЕМИ УПРАВЛІННЯ НАВЧАННЯМ «МООDLE» У НАВЧАЛЬНО-ВИХОВНИЙ ПРОЦЕС ПРИ ВИВЧЕННІ ДИСЦИПЛІНИ «ІНФЕКЦІЙНІ ХВОРОБИ»

Davydenko O.M./ Давиденко О.М.

c.med.s., as.prof./к.мед.н., доц. ORCID: 0000-0002-8897-8913

Higher state educational institution "Bukovinian State Medical University" Chernivtsi, Teatral'na Sa., 2, 58000

Вищий державний навчальний заклад України «Буковинський державний медичний університет», Театральна площа, 2, 58000

Myronyk O.V./Мироник О.В.

c.med.s., as.prof., / к.мед.н., доц. ORCID: 0000-0002-5717-7267 SPIN:5163-7385

Higher state educational institution "Bukovinian State Medical University" Chernivtsi, Teatral'na Sa.. 2. 58000

Вищий державний навчальний заклад України «Буковинський державний медичний університет», Театральна площа, 2, 58000

Abstract. The use of information and communication educational technologies based on the Moodle learning management system in teaching the discipline "Infectious Diseases" allows you to create an effective multi-level educational environment. A modern interactive approach to the organizational and methodological support of the educational process contributes to the creation of conscious motivation of students to study not only software, but also additional material.

Key words: information and educational environment, teaching, Moodle, Infectious diseases.

Introduction. The global process of transition to the information society, as well as the economic, political and social changes taking place in Ukraine, make it necessary to accelerate the reform of the education system. The use of information and communication technologies (ICT) in the educational process opens unique opportunities to activate the stages of cognition, individual and collective activity of students, broad perspectives in the study of the discipline "Infectious diseases". Computer technologies in training can be used not only as a means of automation of training and quality control of training, but also as a tool for the implementation of new didactic approaches. [1-4]

Today, it requires the student to be able to obtain, process, and receive information from various sources, for individual development and self-improvement. This leads to a decrease in the share of ready information, a change in the relationship between the structural elements of content in favor of students learning methods of cognition, gaining personal experience. Therefore, modern learning cannot be imagined without the use of information and communication technologies. [5]

The main text. Thanks to the development of the Internet and modern methods



of communication, data exchange, it becomes possible to create and use in teaching new teaching methods - such as electronic summaries, encyclopedias, tests, glossaries, videos, etc. One of the options for using such methods and technologies is Moodle system. As you know, Moodle is an abbreviation for Modular Object-Oriented Dynamic Learning Environment (modular object-oriented dynamic learning environment). Using Moodle, the teacher creates courses, filling them with contents in the form of texts, auxiliary files, presentations, test items, etc. To use Moodle, it is enough to have a computer with any web browser, which makes using this learning environment convenient for the teacher as well and for trainees. Thus, Moodle is a center for creating educational material. Currently, the Moodle system is used by many of the largest universities in the world. The advantages of this environment are its availability (installation, use and changes are free, and any user of office programs can work in the program shell), multifunctionality (using Moodle tools you can provide high-quality distance learning in any discipline) and flexibility (there is the possibility of customizing the system to the requirements of a particular user) [1, 2]. In recent years, we have widely used the resources and elements of the Moodle environment when studying the discipline of Infectious Diseases. An important task is also to improve the formation of competencies among students through the use of modern distance learning educational technologies and increase the effectiveness of preparing students of the medical faculty for the KROK-2licensing exam.

The main tasks of studying the discipline "Infectious Diseases" are to find and clarify the modern laws of the spread of infectious diseases and damage to the human body in infectious diseases:

- research on ways of spreading infectious diseases among different population groups,
- study of mechanisms and ways of interruption of transmission of infectious diseases,
- study of the clinical course of infectious diseases according to the stages of disease.
 - prevention of the development of complications in infectious diseases,
 - demonstration of understanding of standards of care for infectious diseases,
 - mastering the basic principles of care delivery at the hospital stage,
 - familiarization with the main anti-epidemic measures,
 - development of preventive measures in their workplace.

Based on the Moodle system, we have developed a course "Infectious Diseases" for medical students of the 5th year of study from the following 5 substantive modules: «Introduction to infectology. Infectious diseases with fecal-oral transmission mechanism "; "Infectious diseases with airborne transmission mechanism."; "Viral hepatitis. HIV infection. "; "Infectious diseases with transmissible transmission mechanism."; "Infectious diseases with wound and multiple mechanisms of transmission."

Students are provided with professional sources of information. A separate page contains a list of basic and additional literature, provided with links to electronic educational resources.

A useful and interesting element of the Moodle environment is the glossary



"Basic Terms and Concepts". This is an effective tool for the development of the terminological basis for students designed to help in the formation of the professional language necessary for the future doctor [3].

It should be noted that all sections contain multimedia (demonstration) materials - training videos, animation, presentations. The use of multimedia products, the simultaneous use of graphic, visual content for educational purposes allows students to increase their attention to theoretical material, significantly improves the perception and understanding of the issues that are discussed in practical classes. In the study of infectious diseases with exanthema, illustrations that are widely represented by nosologies in this program are of particular importance.

"Infectious diseases" is one of the disciplines included in the KROK-2. General medical preparation", and the teacher's task is to prepare the student for this exam. The course element contains a database of test items for independent preparation for the KROK-2.

An effective means of forming professional thinking and increasing students' interest in the subject are situational tasks - a necessary element of the content of modern learning [3]. Most of the questions asked at the KROK-2. General medical preparation "are precisely situational tasks.

The student undergoes preliminary testing - self-examination during self-preparation, - according to the results of which he sees the correct answers and comments. On the basis of text files with questions for self-control, training and control tests were developed, also available for passing from mobile devices. Test assignments are available for students at any time of the day, from anywhere in the world where there is access to the Internet. And control testing is performed during practical exercises.

Conclusions. The use of information and communication educational technologies based on the Moodle learning management system in teaching the discipline "Infectious Diseases" allows you to create an effective multi-level educational environment. The introduction of modern interactive approaches to the organizational and methodological support of the educational process contributes to the creation of conscious motivation to study not only programmatic, but also additional material.

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Анотація. Використання інформаційно-комунікативних навчальних технологій на базі системи управління навчанням «Moodle» при викладанні дисципліни «Інфекційні хвороби» дозволяє створити ефективну багаторівневе освітнє середовище. Сучасний інтерактивний підхід до організаційно-методичного забезпечення навчального процесу сприяє створенню свідомої мотивації студентів на вивчення не тільки програмного, а й додаткового матеріалу.

Kлючові слова: інформаційно-освітн ϵ середовище, навчання, Moodle, інфекційні хвороби.