

FORMATION OF PROFESSIONAL COMPETENCIES IN PUBLIC HEALTH IN THE TRAINING OF DOCTORS USING ONLINE PLATFORMS AND DIGITAL TECHNOLOGIES

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In the conditions of the war, the Ukrainian higher school focuses on the development of the educational system with the perspective of the human ability to transform to form a new society. The new vision of higher education is that it should contribute to the development and strengthening of national identity and self-determination of Ukraine and is based on the contribution that higher education can make to building a project of modern society for sustainable human development [1]. The evolution of education and knowledge requires finding new approaches to working with information, studying material, and learning practical skills. One of the opportunities to "keep up with the times" is the widest possible use of modern information technologies.

Digital tools allow you to focus on the practical application of knowledge and skills, and not just on theory. They help make learning more interesting through the use of various multimedia materials, interactive tasks, etc. Digital tools allow you to study at any convenient time and from any place. In addition, they provide a more individualized approach to learning, the ability to access a large amount of information from various sources, online courses that are becoming more accessible to most people [2].

When training future doctors, considerable attention should be paid to the formation of professional competencies in public health and microbiology, virology using modern information technologies. The combination of traditional education methods, digital technologies, and online platforms help to improve the level of assimilation of educational material by students, to consolidate the acquired knowledge and to identify gaps in order to further eliminate them:

- instead of traditional classroom lectures, online courses can be accessed from anywhere and at any time.

- electronic textbooks are available and convenient. They allow you to quickly find the necessary information and provide convenient storage of notes. In addition, e-textbooks can be updated and corrected in real-time, allowing for up-to-date and accurate information.
- interactive exercises can be very effective for learning because they allow you to get instant feedback and learn at your own pace.
- mobile applications allow you to learn on the go, which is very convenient for those who have a busy schedule or travel.
- social networks can be a useful tool to learn more effectively and get additional help. For example, groups can be created in social networks to discuss issues on specific subjects, where students can share their knowledge and experience with other group members. Also, teachers can use social networks to publish additional information, tasks and materials to make learning more accessible and interesting for students.

When students master occupational health and safety professional competencies, the Google Classroom platform and Google applications can be the basis. It is possible to place the necessary textbooks, manuals and lecture presentations in the classroom. All students can be tested in Google Forms on the current lesson topic. During the class, key issues of occupational health and safety in health care facilities can be discussed with students using Meet. Those students who were not active and did not show a desire to participate in the discussion of the issue should be given the opportunity to complete the task on the relevant topic in Google classroom. In addition, for the formation of occupational health and safety professional competences, the project method can be used, during the implementation of which students prepare presentations on selected topics, and then, through the Google Classroom platform, master practical skills from presentations of the relevant material.

When forming future doctors' professional competences in the basics of bioethics and biological safety, it is advisable to use not only Google Classroom, but also additional online platforms. "Kyiv Medical University" has positive experience in using the COUNCIL OF EUROPE platform, which contains many online courses and lectures related to human rights in various spheres of society, including in the field of health care and implementation of medical practice. The platform is free, materials on it are available in both English and Ukrainian languages. After registration, students can use the material posted on the platform to complete tasks for independent work and prepare presentations on the chosen topic.

Google Classroom and other Google tools are widely used in the formation of professional competencies in medical informatics at Kyiv Medical University. A useful digital application is Jamboard, a virtual whiteboard that allows you to work on ideas with others in real time. A Jamboard can be created separately or opened during a Meet call during a hands-on session and/or lecture. Joint work on a single workspace allows you to realize the ideas of several users at once, provides the opportunity to make changes to existing projects, as well as create new ones. The use of the above-mentioned approach contributes to the development of teamwork skills, allows you to

develop cooperation skills when working out problematic issues and ways to solve them.

Also, as an implementation of one of the educational approaches, students receive an educational and creative task: using the Google Sites service, which allows you to create websites even without special skills, create your own portfolio site, business card site about yourself, your preferences, hobbies, or try yourself as a web designer of the future internet representation of your business (for example, medical practice, office, etc.).

In recent years, "Kyiv Medical University" has offered students a new elective discipline "Medical information systems, e-Health/ electronic health systems". This new discipline was recently introduced into the educational process at the University, which is connected with the digitalization of the entire medical system in Ukraine. She teaches students to use specialized online medical services. Medical information systems and e-Health provide an opportunity to create a single medical information space for doctors' communication; citizens - to get their medical information quickly, and doctors - to make a correct diagnosis taking into account the holistic picture of the patient's health.

For example, studying the case study "Personal office of a doctor" allows students to master the skills of working in a personal electronic office of a doctor; work with medical records and prepare electronic medical documentation; create statistical reports; interact with the electronic health care system (EHS).

Working with the "Patient Admission" case allows students to learn how to search for a patient in an electronic database; create an episode; work with electronic medical records; create various referrals; form electronic recipes; process episodes of incapacity for work and open electronic sick leave.

Studying the case "Inpatient" helps to master work skills, including with the following blocks: reception department visits; patient search in the electronic database of the inpatient department; work with charts/medical records of inpatients.

Digital technologies are gradually introduced into the educational process with the aim of students mastering the latest professional competencies in the disciplines of public health. These technologies facilitate the work of teachers and the assimilation of knowledge by students. The process of introducing information technologies into the practice of training future doctors is gradual and, as experience shows, sometimes slow. Therefore, the use of modern information technologies in the training of future doctors is inevitable, as is the technological progress of society itself.

References:

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