

Вітчизняне фахове видання – I
Розділ 7. Філософія та психологія освіти

Golovkova T.A., Antonova O.V.

**MODERN MEANS OF TEACHING FOR THE FORMATION OF
PROFESSIONAL COMPETENCES**

State institution "Dnipropetrovsk Medical Academy
of the Ministry of Health of Ukraine"

Department of General Hygiene

Introduction. The Law of Ukraine "About Higher Education" among the main tasks of higher education institutions envisages "ensuring the organic combination in educational process of educational, scientific and innovative activity" [10]. In addition, most legislative documents, national programs of the higher education emphasize the inadmissibility of reducing the quality of education, falling levels of knowledge. The education is one of the main factors of the civilization, economic development of the state. Today it gives an impetus to the strategic determination of problems and to ensure the systematic reform of the national higher education institution, adequate modernization and its integration into the European economic, cultural and informational space [4].

Fundamental problems of professional training of future physicians are an important part of reforming the healthcare sector and implementing social priorities of the state because from the quality of medical care delivery to the population depends the level of training of doctors [5, 7]. Despite a wide range of studies of future physicians training problem, many problems related to it need study in future time. In particular, timely and relevant analytical studies on

the development of a model of training a preventively oriented competent doctor at the pre-graduation stage in world practice are considered [3, 9].

The aim of the study. With the aim of developing a system for the formation of preventive thinking of students of a higher medical school according to the professionally-oriented before the graduate training of doctors on the basis of the modern credit transfer system of education and the requirements of the State Standard of Higher Medical Education of Ukraine we have identified the innovative means, forms and methods of training.

Materials and methods of their research. Addition of the implementation and estimation of the effectiveness of various innovative methods and means of training for the formation of medical student's preventive thinking have been analyzed at the Department of General Hygiene the Medical Academy of Dnepr city. In the historical aspect, it is one of the oldest departments in Ukraine, this year it will be 95 years old. During this time there are a strong scientific and educational experience of teaching hygienic discipline with a great of founders of prophylactic medicine of our country such as O.S.Stoyanovsky, P.P. H.Chehlaty, M.G.Shandala, M.Y.Shelyug, G.T. Chukmasova, M. M.Paranko and others. The analysis of psychological and pedagogical literature to clarify the essence, structure, criteria and indicators of the professional orientation of future doctors, the justification of pedagogical conditions for the development of youth, ensuring the integration of their separate components was promote achievement of the goal. At implementing and analyzing the effectiveness of various elements of the teaching paradigm data, test results and interviews of the student and the level of their success: current, modular, and general score from discipline were used. It also took into account: the implementation of the professional orientation of the pedagogical process; providing subjective reflexive position of students in the educational process as a means of self-knowledge of professionally important qualities, correction and development of professional orientation and activation of

professional self-improvement; the organization of pedagogical interaction on the principles of the dialogic approach. It provides a favorable socio-psychological and microclimate, and activates the identification of students with teachers as carriers of professional norms and value orientations. The content of the study and its orientation have led to the use of a set of methods in their interrelation: bibliographic, sociological, historical-comparative, expert method of questionnaires, interviews and tests, statistical methods.

The obtained conclusions determine the educational process technology. Therefore the department has a high quality of educational activity. The staff of the department address on the activities to study students in full accordance with the current normative base and educational standards, with considering the modern demands in the native and foreign educational space.

Research results and their discussion. International experience convincingly show effective primary prevention of diseases is the foundation of health care. In the next period the indicators of individual, family and population health are dependent not only from individual medical care, but also on the effectiveness of environmental protection measures, the improvement of working conditions, safe food, etc. [4].

From the first practical classes at the Department of General Hygiene for students it is important to make it clear that knowledge of prevention for a clinician-doctor should be a routine adviser in the way of his professional activities for the sake of human health. It should be emphasized separately that the traditional ideology of preventive medicine with its predominantly anthropocentric system of values requires further development and rethinking on the basis of a modern curriculum for the education and upbringing of a future physician [6, 8].

At the Department of General Hygiene of the Medical Academy students obtain the basics of knowledge in the field of hygienic science and practice of

preventive medicine, which are necessary for a doctor of any specialty, with further profound study of issues that are important for a particular specialty. Thus, there are great importance to the study of the composition of drinking water, soil, physical and chemical properties of air and premises, their impact on sanitary conditions of life and health of the population. During the study of hygiene there are impotent to study influence of harmful production factors on the health of workers and the need to develop a system of technical, hygienic and medical-biological preventive measures at enterprises.

At the studying of food hygiene it is important questions of rational nutrition, individual food components and the prevention of the all diseases, including oncological, cardiovascular and other systems, as well as the toxicological and epidemiological safety of food products.

Problems of the features of the character and working conditions of physicians, occupational hazards of their professional activities, as well as students' training of the hygienic examination of different departments of hospitals and the assessment of in-hospital conditions should be considered especially relevant for future clinicians. It is important that all sections of hygiene including personal hygiene in the process of teaching discipline are studied for the needs for motivation of a healthy lifestyle of a modern person.

It should be noted practically all sections of hygiene are teach at the department in specially equipped thematic rooms "Hygiene of air", "Hygiene of water and soil", "Hygiene of food", "Hygiene of emergency states", "Hygiene of childhood", etc. In the hall of the department we have a museum of ancient hygiene and antique hygiene devices, stands on the history of hygiene of Ekaterinoslav (last name of Dnepr), stands with educational literature and scientific achievements of the department, a place of musical rest. It is in general situation presents the department to the students in the introductory lesson.

For successful development of the basics of preventive medicine students has national textbooks on hygiene and ecology, methodical books for practical

classes, books of the lectures. In addition, on the Web-site of the Department's website the Academy there is additional literature on various sections of hygiene, teaching tests for practical classes and additional teaching books to topics. For the further improve the educational process, the department introduces in the lecture course modern dates on the latest achievements of hygienic science of native and foreign scientists. On the practical class are widely used modern pedagogical approaches and techniques which motivate interest in learning and students involving to the scientific work within the student's scientific the society of the department, to the involvement in competitions and contests.

The modern transformational processes of formation of the informational educational environment of the higher school provide for the creation of certain conditions for security to the students a full-fledged personal and professional development in the maximum possible range of individual psychological resources and abilities [1, 2]. Creation of proper conditions is the main priority in the organization of the educational process at the Department of General Hygiene of the Dnipropetrovsk Medical Academy. It is achieved by the developed system of teaching methods, in which we consider the following innovative methodical methods as effective:

- by involving each student in an active cognitive process by the active cognitive activity, application of knowledge in practice;
- by if it is necessary to demonstrate the appropriate communicative ability cooperation in decision of the various problems;
- by free recourse to the necessary information for the form their own independent and reasoned opinion on another problems;
- by a constant test of their intellectual, moral forces for solving situational problems, confirmation of their knowledge;

- by introduction of "problem education" approaches on the conferences, seminars;
- by conducting an assessment of the psychological microclimate in each group of students and identifying ways its improve for the optimize learning conditions;
- by the use of psycho-hygienic auto regressions for the prevention of stress in the learning environment;
- by annual student questionnaires for feedback; creation of an integrated manual for practical classes;
- by annual master classes for lectures and practical classes;
- by introduction of trainings in the form of " Socrates' Dialog", the method of "brainstorming";
- by articulate observance of the transparency of student assessment;
- by active use of the elements of distance learning, on the based on modern information technologies and the use of electronic means (Web-site, individual internet site of teachers in social networks; it creates the opportunity for a dialogue between a teacher and a student).

Conclusions

1. Finding leading innovative forms and methods of learning is a lengthy process. It is an important component of the training of future physicians. This process takes place under the influence of the activity of the future specialist and the conditions of the educational process.
2. In creating the appropriate conditions for improving the study and learning of study material for the students was given attention not only to the content but also to the teaching process by regulating and improving teaching and learning methods.

3. We have developed a system of innovative means of teaching medical students to form preventive thinking for future physicians, which integrates both personal and creative and socio-educational goals. To ensure the effectiveness of the system should be a work of the teaching staff on the following resource components: administrative, staffing, material, innovative, informational and cultural ways.

4. The task of the teaching staff of the Department of General Hygiene is the introduction of innovative and traditional conditions and technologies of training, in which the combination of students' acquisition of the latest educational standards in the chosen specialty with the simultaneous provision of training of highly qualified, preventive directed doctors for the purpose of preservation and strengthening of general and individual health the population of Ukraine.

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