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## **IMPORTANCE OF SELF-WORK OF THE STUDENTS MEDICAL INSTITUTES AS THE IMPORTANT FACTOR OF INCREASING THE GRADE OF DOCTORS EDUCATION**

### **Анотація**

У статті розглядаються питання підвищення ролі самостійної роботи студентів в медичному вузі. Автором розглянуто ряд проблем щодо організації самостійної роботи студентів з досвіду кафедри загальної гігієни та екології Запорізького державного медичного університету. Розглянуто основні труднощі, що перешкоджають ефективній самостійній роботі студентів, запропоновано шляхи і методи її удосконалення.

**Ключові слова:** самостійна робота, мотивація, контроль.

### **Summary**

In the article the questions of increase the role of independent work of students in the medical institute are examined. The author has considered some problems as for organization of students' independent work from the experience of the chair of general hygiene and ecology of Zaporizhzhya state medical university.

**Key words:** self-work, motivation, control.

**Introduction.** In modern conditions Bologna system focuses on independent work of students [1, 5, 6]. The goal of student's self-study is acquiring additional knowledge on subjects, check the acquired knowledge in practice, research and develop specific professional skills. Independent work is very important in the learning process, in which the student learns the necessary knowledge and skills possessed skills, studies consistently, to work systematically, to think, to form a style of mental activity.

The intensification of the learning process, the transition to the methods student's independent study, increase the component of independent work. Therefore, the organization of such work in the current development of high school is particularly important [7]. A special place independent work is in the preparation of future doctor.

**The purpose of the work.** Analysis of independent work of students of medical universities and its important role in training high-qualified specialists with the experience of the department of Common Hygiene and Ecology of Zaporizhzhya State Medical University as an example .

**Main part.** According to the Law about higher education, independent work of students is one of the main forms of university teaching process VNZ [1, 2].

Independent work of students is one of the organizational form of study, which is governed with a working curriculum. Content of individual work defined in the working program of each discipline with a focus on the requirements of education and professional qualification characteristics [8].

Organization of independent work is not a personal business of student, it is a university administrative functions, the task of professor-teacher's team, which has special importance because of the development of the Bologna process. Participation in it forms the cognitive activity of students, promotes their independence, responsibility and organization, creative approach to problem solving educational and professional levels.

Introduction of innovative technologies is very helpful for students learning process on a basic level as well as the most important scientific advances of recent years. [9]. Further improvement of individual student's work through the educational process of reorientation of educational process in the tasks of transmission of knowledge and experience to the task of teaching students the skills of independent acquisition and conversion is considered promising in accordance with modern requirements. [10] In this case, the focus is aimed at improving the forms and methods of independent work of students [11].

It should be noted that the students I-III courses are facing a number of factors that hinder to do independent work in full. Among them should be noted such as the inability to plan training activities and their time in general; fatigue caused by heavy load and stress; lack of methodological guidance teacher [1]; inability to process and record information; – and one of the main factor today – lack of interest in the subjects studied, and finally from attending classes and advice on certain subjects.

The task of the teacher in this respect lies to teach students to think logically, to learn to work with scientific literature, to process large amounts of information and be able to use the data obtained in future careers.

In preparing the self-study students can use textbooks provided by the university library, electronic textbooks, manuals, developed by the lecturer, Internet materials placed in the public domain, and to consult any lecturer at the allotted hour.

The introduction of a large number of hours of personal study before all activate students practice, increases the thirst for knowledge, as evidenced by the increasing number of students for advice. In the classroom, students are actively discussing topics submitted to independent studies, prepare reports with multimedia presentations, abstracts, using methods of "active learning".

Independent work of students in educational work time includes lectures and practical exercises that can be done in various forms – "brainstorming" discussions discuss specific situations and so on.

The special interest is the independent work of students after school that allows students to adjust previously acquired knowledge (lectures, workshops, etc.) with those he mastered in the course of self-study material. Extracurricular knowledge acquisition can be obtained in different ways:

***Independent work with literature in specialty.*** This type of extracurricular self-study requires appropriate skills. The most important are cognitive independence, that is, the desire and ability to learn on their own knowledge and ways of life and put them into practice, and intellectual activity, that need to know as much as possible in their specialty. Individual work with special literature improves skills of a person.

***Note-taking.*** In this work it becomes clear that every case is important to you, what will obviously offset by other information, and what can never be taken in the notes.

**Abstracting of literature.** Abstracting reflects and identifies not the content of relevant publications at all, but rather a new, specific and useful (increase science knowledge).

**Annotating books and articles.** This extremely summary of the main content of the text. Especially appropriate for the surface preparation for colloquia and seminars in which you need to work out some literature. Based on the outline, very compressed. Unlike the abstract gives no idea about the content of the work, but only on its subject.

**Preparation of the report.** Type of independent work, which is used in schools and after-school classes, promotes research skills, expanding educational interests, teaches to think on practice.

**Independent work online.** New information technologies can be used to:

- *finding information online* – use web-browsers databases, using information-retrieval and information-reference systems, automated library systems, electronic magazines;

- *dialogue in the network* – using e-mail, teleconferencing simultaneous and deferred;

- *creation of web content and web-quests web-pages* – using html-editors, web -browsers, graphic editors.

One of the innovative teaching methods in the organization of independent work of students is a method of portfolio. *Portfolio* is one of the modern scientific educational technologies, which allows us to develop the students' ability to analyze and evaluate the process of their own development, to develop the capacity for independent search of theoretical and practical information, identify problems and ways of rational decisions, to develop skills of critical analysis of the knowledge and understanding of their use in practice for future profession after a higher educational institution. This type of work requires students more time for self-study, but ultimately saves time when preparing for tests and exams.

Method of portfolio provides students with the opportunity to discuss with the teacher the topic being studied equally, to express different points of view when discussing problems. In studying next courses of these subjects portfolio is also an option of continuity between courses covered material under study. Because the portfolio as an innovative teaching method should be well represented in the educational process in the organization and implementation of independent work of students in medical schools.

While students studying various disciplines in higher medical institution acquainted with information about independent learning activities, form skills of independent work in the classroom, studying the scientific literature, prepare reports on proposed issues. Students are involved in research and teaching and research activities, contributing to future specialists mastering techniques and research methods of finding, developing students' creative abilities and skills of independent work. One of the first independent work with elements of scientific inquiry are mostly writing essays.

University sufficiently provided educational and teaching materials for the successful organization of independent work. In the independent work of the students prefer to use traditional sources of knowledge, such as lectures, recommended textbooks and methodical development of teachers.

Teachers prepare for the implementation of practical "workbook" for the design of practical and laboratory practical lessons on discipline "Hygiene and Ecology" – for students II, III courses medical and pharmaceutical faculties that have shown a positive impact on high quality indicators of student achievement. The workshop is to help students more quickly and better prepare for classes and teachers to assess the level of preparation.

It is important to note that most students want to constantly replenish their knowledge efficiently using the time that is given to independent work. To achieve high efficiency of individual work can only be doing the range of measures, including: 1) accurate planning and regulation of working together with all other elements of the study; 2) adequate training and methodological support; 3) create the necessary material and technical conditions; 4) assistance and monitoring of teaching and learning activities of students.

**So the main tasks of independent work of students in teaching in the medical university should be:**

- identify and justify the minimum required sections, topics, issues, problems that are brought to classroom and extracurricular independent work of students;
- define the content and volume of learning theoretical information and practical tasks for each topic submitted to independent work;
- Selection and supply methods and forms of independent work of students according to modern learning technologies;
- identification forms and methods of control of independent tasks students;
- Development of criteria for evaluating the results of extracurricular self-study, taking into account the requirements for the preparation of students defined state educational standards of higher education.

### **Conclusions**

1. Basic training of students' independent work helps to improve the quality of knowledge, confirmed interest in the preparation of the test module control, develop creative person, learns to disclose best qualities of a student as a future professional qualifications.

2. Independent work of students in medical college is a prerequisite for knowledge, abilities and skills of the medical profession. Modern competent person should be educated, mobile, and have a common professional culture and capable of continuous self-improvement and increased knowledge in their field of activity.

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