

## **INTRODUCING PARTIALLY RETRIEVAL INDEPENDENT WORK OF STUDENTS OF MEDICAL COLLEGE**

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The updated modern National Strategy of educational sphere reformation leads to the implementation of effective approaches to independent student's work as a leading form of the learning process.

The purpose of these materials is to highlight the features of introducing partially retrieval independent student's work (ISW) in teaching professionally-oriented disciplines "Microbiology, Virology and Immunology with Microbiological Diagnosis" in a medical college.

According to the classification proposed by P. Pidkasyst, the following types of ISW should be distinguished: those that are to be performed on samples (reproductive); by reconstructive variation; partial search (heuristic) and creative research. Partially retrieval ISW is associated with resolution of specific issues and problems outlined in lectures, seminars, laboratory works, workshops and provides partial activity construction in the new situation, meaning the organization of productive processes of students' minds. The analysis of psychological and educational researches can define effective teaching methods that allow to organize partially retrieval ISW. Among such are: role-playing, the case method, creating mental maps, the project method and so on.

The purpose of the Case (from English "case" – situation) is to analyze, by the joint efforts of students, the learning situation (case) and work out its practical solution, after – to evaluate the proposed algorithms to resolve the situation and choose the best option in the context of the problem. Types of Cases: illustrative learning situations, learning situations with the problem formation, learning situations with independent formation of the problem, applicable exercises.

In the process of ISW on the basis of KBMC № 1, the teachers of the course "Microbiology, Virology and Immunology with Microbiological Diagnostics" implemented the case-method. Students received schemes of microbiological diagnostics, special parts of films and video materials, professional medical journals with characteristics of modern diagnosis methods, prevention of diseases. The

students were given the task to carry out an independent analysis of documents and act as experts so that in their future careers they would act more carefully and responsibly while diagnosing diseases.

It is important to note that the resolution of situational problems in medical colleges is possible both during classroom time and during extracurricular organizations of ISW. Each student solves a situational problem by him/herself, offers the suggestions for its solution, which are presented for a group discussion.

The research results and works by T. Byuzen are put into the basis of creating a mental (intellectual) card, or intelligence card. Intelligence Cards were created by the researcher as a tool which can help use both hemispheres of the brain to form educational competence of students. Intelligence cards (mental cards) are a method of graphic expression of perception processes, processing and storing information, creative tasks, an instrument for memory and thinking.

Our experience of organizing ISW at the Medical College shows the effectiveness of implementing the method of compiling mental cards (intelligence cards) and students' work in the form of pairs with the use of "everyone teaches everyone" method. While studying the topics "Non-cellular Forms" of "Microbiology, Virology and Immunology with Microbiological Diagnostics" discipline, the students created mental cards, taking out opinions, facts and arguments from the information provided by the teacher; choosing the symbolic images to express the main idea of the lesson's topic.

An effective method of partially retrieval ISW organization is to attract students to develop a role play of the discipline that is under study or training to participate in it. Role play by V. Ortynsky's definition is a real situation simulation within a specially created problematic situation. It is a method of active learning which leads to achieving specific tasks, structuring the system of business relations among the participants.

Thus, the introduction of partially retrieval ISW in teaching the professionally-oriented discipline "Microbiology, Virology and Immunology with microbiological diagnosis" in medical colleges allows to increase students' motivation to learn, build health education of a future specialist's thinking, encourages students to independent acquisition of knowledge and skills, is a factor of the full development of creative and intellectual personality traits.