

FORMATION OF THE STUDY SKILLS EDUCATE OURSELVES APPLIED MATHEMATICS FUTURE SPECIALISTS IN FARM MANAGEMENT

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Emphasized the importance of self-education students in the study of the subject "Applied Mathematics in management." Attention is focused on specific types of independent work. Specified highlights and ways of self. The method of checking the knowledge and skills acquired in the process of self-education. It is indicated the importance of monitoring and evaluating the quality of independent work.

Keywords: mathematics, student, self-education, homework, test, evaluation, independent work.

Topicality. The main goal of High School is a quality competitive training specialist. Since mathematics belongs to the fundamental disciplines and provides a foundation of theoretical knowledge required to understand general and special subjects, the higher education today is impossible without improving mathematical education of future graduates, including future farm managers. At the request today an important part of modern professional work manager is skilful use of the apparatus of mathematical modelling, quantitative research methods, advanced computational tools, and more. That's why mastering the basic mathematical methods, including methods of applied mathematics, will allow future specialist correctly recognize and use common patterns, which are subject to massive random events in the planning and organization of production, processing results for industrial research or statistical analysis.

Go to module-rating system of training predicts integration of different types and forms of education. In particular, according to the "Regulations on the organization of the educational process in higher education" (Order of Ministry of

Education of Ukraine 02.06.93 № 161 registered with the Ministry of Justice of Ukraine 23.11.93 № 173) educational process in higher educational institutions of Ukraine can be done in the following forms: lectures, practical, seminar or laboratory classes, private lessons, independent work, and so on. And that self is the primary means of student mastery of training material at a time that is free from mandatory training sessions [8].

Statement of the problem. In the process of gaining knowledge, professional skills, particularly in mastering mathematical apparatus, as already noted, a significant role of self-study students.

Let's consider the role of students as an example of self-discipline "Applied Mathematics in management", which is taught at the Faculty of Agricultural Management NULES of Ukraine.

Teaching time allotted for independent work of students clearly regulated work curriculum and must be at least a third and less than two third of the total amount of discipline, such as hourly distribution of teaching "Applied Mathematics in management" for students of agricultural Management NULES of Ukraine looks: 36 hours – lectures; 36 hours – practical training; 36 hours – independent work of students.

Therefore, we see that the third time really dedicated to teaching this subject is recommended for self-education – that is, independent work. Therefore, this method of teaching should be given due attention, both as students and among teachers responsible for teaching.

As the term "self-study" should put a broad meaning – this independent study theory, and self-proving theorems or formulas, and solving problems independently or abstracting scientific literature.

The main material. The main purpose of independent work – is more knowledge, test the acquired knowledge into practice. Working independently, students tend to think about the deeper meaning of elaborated material. Better to concentrate on the material than is usually the case in explaining teacher. Therefore, knowledge and skills acquired by students as a result of a well-

organized self-study, there are stronger and more thoroughly. In addition, the process of self-education of the students brought perseverance, focus, exposure, and other useful qualities of character [1].

Content independent work of students for a particular subject is determined by the working curriculum of courses, teaching materials through this discipline, as well as the objectives and guidelines of the teacher responsible for teaching the discipline. Independent study students should be provided with training and teaching tools that are provided to study a particular subject - namely, textbooks, teaching aids, electronic versions of lectures teacher, guidance for independent work of students and others. It is wise to guidelines for student self-contained questions for self-assessment and self-knowledge. Also for independent work can offer students additional scientific literature, professional literature monographic or periodical [2].

An equally important factor is frequency independent work. Chart students' independent work in this discipline as well as the content is determined by the working curriculum of the discipline and the teacher in charge of discipline. It is important that the distribution of self-study was uniform throughout the study period, and no less important that the schedule has been brought to the attention of students in the first days of training. These two factors – the content and schedule individual work, a timely review of them can be the first key to a successful self-learning students [8].

One kind of independent work is independent study of theoretical material on a given topic. The main purpose of these tasks – to teach students to read mathematical text (in this case with the elements of the economy), in other words, teach them how to learn.

But mathematical text is different. It is characterized by different, for example, from literary texts, or research. In - First, it contains a lot of mathematical concepts, terms, formulas, symbols. In - Second, its accompanying schematic drawings are different, closely related to the text. By - Third, the text contains many mathematical font: italic, bold, bold, underline, which emit definitions,

theorems, rules, notes, etc.. In - the fourth, it stands style of presentation, clarity, brevity. That's why reading mathematical books requires maximum attention and at least a basic knowledge of previous material. In mathematical texts, usually a large number of references given earlier definitions, theorems, examples or problems. Mathematical text should read with a pencil in hand, and the ability to read mathematical text is made gradually [1].

Equally important type of self-study is self-solving examples and problems - it can be performance problems on a new theme - the so-called homework, or perform tasks for the passed subjects - the so-called individual tasks. In any case, these tasks helps to perpetuate and deepen your knowledge and helps develop skills of self-education, and teaches discipline to work systematically and independently [3].

Offering students a problem for self-study, preferably at least briefly explain how to solve them, or offer a solution short circuit if these problems are not dealt with in the classroom lessons with a teacher. Individual students can be given individual homework assignments, including stronger advisable to offer some complex tasks, and stronger rather simple exercise to yet they were able to meet them on their own [5].

Another type of self-education students are abstracting scientific literature. The point of this work is that the teacher encourages students to self-study certain subjects, or some scientific work, and students in the study of this material is in the form of abstract report, which briefly highlight the main points elaborated material [7].

Since the self-study is part of the module-rating system study, test it, and especially, the evaluation is also an important factor in the process of discipline. That is why the independent work of students must be checked [6].

In the case of self-study of theoretical material quality assimilation theory is best to check the oral survey. For example, the teacher formulated short questions and answer them provides students with a place, a teacher causes students to the board to answer questions that require additional records or figures on the board.

It is important that this survey involved all students group or as the largest number of students.

It is also possible to carry out the transfer of all readings focusing on the definition, basic rules, theorems, and so on. To check the number of subjects studied frontal advisable to carry out the survey - Colloquium - oral questioning of students on several topics of that section, which includes questions on any given topic [9].

Properly organized survey of students reinforces learned material. In addition, it promotes the development of student thinking, identifies weaknesses in their knowledge, to teach them clearly and to formulate their thoughts.

Any unauthorized solving problems the teacher can check performance, bypassing students and reviewing notebooks opened before them, or suggest one of the students read the answers to the problems, while others compare their works read from, or invite students to inspect each other's work. But the best in quality, checking written work is to test the students' summaries teacher [4].

It is equally important for students self-check is its evaluation.

Conclusions. Assessment of knowledge, skills of students in the study of the discipline is an important part of the learning process. Especially in the context of the module-rating training system used in NULES of Ukraine, evaluations or scores for students is an important stimulus for learning, which requires them to systematic work, striving to best execution of tasks in order to get the highest score. Therefore, the evaluation done by the student independent work required to be included in the module-rating system of education. Assessment of student learning is also important for the teacher because it gives the opportunity to better carry out an individual approach to students in the study of specific topics and timely appropriate measures to improve student achievement.

Assessment of student learning should be systematic, and objective individual. But we must not forget that the most important in the teacher - it does not control the knowledge and the learning process of students - preparing future professionals.

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