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THE ALGORITHM FOR APPLYING THE RATING SYSTEM OF EVALUATION AS AN EFFECTIVE METHOD OF INFLUENCING THE ACTIVATION OF COGNITIVE ACTIVITY OF STUDENTS

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Abstract

The article presents an algorithm for applying the rating system of assessment to effectively influence the activation of cognitive activity of students. A 100-point student assessment rating is proposed, which takes into account the main criteria, such as creative thinking, individuality, independent work, originality of individual tasks, educational punctuality, regular attendance of classes.

Keywords: Science Preparation, Higher Education Institution Training, Principle of Clarity, Discipline, Pedagogy, Special Disciplines.

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INTRODUCTION

Methods of influence on the activation of cognitive activity of students in scientific pedagogical research is determined in the form of ways of interaction between the teacher and the student, aimed at solving various kinds of tasks, such as: acquainting students with new material, fixing the developed material, monitoring and evaluating learning outcomes [1-6, 15,16].

The concept of "effective" is largely interconnected with the introduction and development of active and innovative teaching methods. Until recently, due to historical circumstances, traditional, ineffective teaching methods prevailed. However, this does not mean at all that lectures and seminars are not needed in the modern education system.

On the contrary, they undergo a modification and symbiosis of innovative and traditional methods, which consists in the transition from a passive perception of lecture material, when the teacher sets out all the educational information without the participation of teachers, to active search for students the necessary information, conduct research on various problematic issues. And if all this active activity of the teacher is presented in the class in the form of generalizing role-playing games, then, undoubtedly, the goals of higher education will be achieved [7-12, 16].

Undoubtedly, the result of various classes is the assessment of students and its standard method will not be entirely correct. Assessment must be carried out using a rating system that allows you to take into account all the personal and mental qualities of the student at different stages of the session [12-16].

The Aim of the article is the development of an algorithm for a rating system for evaluating students' cognitive activity.

MAIN MATERIAL

The rating system for assessing student learning is used by the teacher as a flexible and effective means of selecting students based on the results of their educational activities, motivating students to achieve high results [15, 16].

The rating system includes an assessment of the following indicators:

Class attendance (maximum number - 30 points).

Activity in the classroom (maximum number - 30 points; 6 points for 1 lesson).

Current control (maximum amount - 15 points for 3 tests; 5 points for 1 work).

Certification of independent work (maximum number - 30 points no more than 3 works).

Points for the exam / test (maximum number - 30 points).Extra points.

Attendance points.

The following correspondence of class attendance (% of the total number of class hours in this discipline) to the rating system points is established:

less than 50% of classes - 0 points;

50% -75% of classes - 10 points;

76% -90% of classes - 20 points;

91% -100% of classes - 30 points.

Attendance is noted in the Bulletin of the rating system for assessing students' studies - the presence of a student is indicated by the symbol "+", and absence by the symbol "n".

Checking attendance is carried out by the teacher at the beginning of the lesson.

A student's delay of more than 10 minutes is considered a class miss.

If a student visited less than 50% of the total number of academic hours in this discipline without a good reason, such a student is not allowed to pass intermediate certification (in the form of an exam or a test).

If the student has visited less than 50% of the total academic hours in this discipline for a good reason, the student may be granted the right to undergo intermediate certification in the discipline. To compensate for the knowledge, the teacher may assign additional tasks to such a student. Points for attendance are not awarded to such a student.

If the student was absent from all classes in the discipline, then passing the intermediate certification is possible only after an in-depth study of the discipline.

Points for student activity in class.

The student's activity in the lesson assumes that the student fulfils the following types of work in addition to those required by the methodological complex in the discipline:

active discussion in lectures of issues raised by the teacher; participation in the discussion.

These types of work are estimated at 1 point for one lecture lesson (2 academic hours).

Group work on the instructions of the teacher as part of a lecture or seminar.

The best of the participants in the group work or the participants of the best group up to 2 points are evaluated.

A positive presentation at a lecture or seminar with a presentation and / or report on a topic approved by the teacher. This type of work is valued up to 3 points per speech.

Points for current control.

Based on the results of the current control, the teacher can assign from 3 to 5 points to the corresponding students for the results of the current control in accordance with the classical five-point rating scale. Tests performed inopportune cannot be rated above 4 points if the work was completed before the end of the semester, 3 points - the work was done in the next semester.

Points for certification of independent work of students.

Independent work of a student consists in completing assignments issued by the teacher within the time indicated by him, with a volume of 2-3 pages each assignment.

Points are awarded as follows:

30 points - independent work was completed on time, in full, with a successful presentation at a lecture or seminar with a presentation and / or report on the topic, all works are worthy of excellent marks;

25 points - independent work completed on time, in full, all work on average worthy of a good mark;

20 points - independent work completed on time, in full, all work on average worthy of a satisfactory mark;

10 points - independent work was completed on time, in an incomplete volume (at least 75% of the tasks), all works are worthy of an average grade of no less than good;

5 points - independent work was completed on time or in an incomplete volume (less than 75% of tasks), on average all the work is worthy of a satisfactory score;

0 points - independent work completed on time, in full, all works on average are worthy of an unsatisfactory mark.

The total number of points for certification cannot exceed 100 points in the discipline.

Assessment of academic work within the framework of a rating system can be used by a teacher to certify academic work in a discipline.

Certification in the discipline according to the results of the rating system, grades, the student may be given the opportunity to improve their grades, for this one of the forms of certification is used (written, computer, oral).

Points for exam / test.

When conducting the reporting lesson, the teacher can give the student no more than 30 points. One change of ticket with a withdrawal of 5 points is allowed. The examination is carried out on tickets orally. The time to prepare an answer for the selected ticket is 20-30 minutes. It is not allowed to use any written materials and cell phones, for which points can be reduced (-5 points for one comment) until the ticket is replaced and removed from the audience with the mark "unsatisfactory". The retake of the exam is allowed after an unsatisfactory assessment with the removal of 10 points. The set-off can be carried out both on tickets and in the form of testing.

A rating of 100 (students who receive 90 points in an exam / test session do not pass, because 90 points mean "excellent" or "automatic"). A student who has received from 90 to 100 points can count on a rating of "excellent", from 70 to 89 - a rating of "good", from 50 to 69 - a rating of "satisfactory" / offset and up to 50 receive unsatisfactory" / non-score.

Extra points.

The development of independent work consists in conducting scientific research on the topic indicated in the questions for preparing for the test / exams, or on another topic agreed with the teacher. The work is estimated at 5 points provided that it is original from 60 to 70%, 10 points - provided that the originality is more than 80%. With originality of the work, more than 85% are invited to publish the work in the form of a scientific article. The originality of the work is determined by programs that allow you to check for the uniqueness of the material.

Participation in the preparation of a research article (both independently and under the guidance of a teacher) - 20 points. If the topic of the article was previously made in the form of independent work by 5 or 10 points, then the missing points are added (15 or 10 points, respectively).

The amount of points is taken into account in the rating system, which is compiled after certification of academic work in the discipline. According to the results of the rating, additional points are awarded for 1-10 places in the rating - from 10 to 1 point, respectively. Additional points for the rating are taken into account in the certification of academic work in the following discipline.

CONCLUSION

Thus, according to the results of the developed algorithm, it follows that high final grades can be obtained not only by students who attended all classes and completed all tasks, but also those students who, for whatever reason, could not attend all classes (skipped 1-2 classes), but in good faith prepared for the exam and successfully completed all control and independent work.

In turn, those students who do not attend more than two classes and do not complete all tasks can receive a "satisfactory" grade.

REFERENCES

1. I. Smyrnova (2017). Theoretical Aspects of the Use of Electronic Educational Resources in Professional Activity of Future Teachers of Technology. *Journal of Vasyl Stefanyk Precarpathian National University*, 4(1), P. 140-147.
2. I. Smyrnova (2017). The requirements for establishing the esm as part of the ivs IZmail state university of humanities. *Formation of Knowledge Economy as the Basis for information society*, P. 141-143.
3. I. Smyrnova, M. Musorina (2016). The formation of technical culture of skippers like experience in the process of qualification. *Modern Methodology of Science and Education*, 6(10), P. 17-20.
4. I. Smyrnova (2017). System Overview Of The Purpose And Content Of Information Technology Training Of Future Teachers Of Technologies To The Development And Use Of E-Learning Resources. *International Scientific and Practical Conference World science*, 3(5), P. 6-12.
5. Kuts, M. O. (2016). Problem technologies in foreign languages teaching of higher technical educational establishments students'. *Cherkasy University Bulletin: Pedagogical Sciences*, 37(370).
6. Smoliuk, S. (2018). Features of Formation Developing Educational Environment in the Conditions of Standardization of Primary Education of Ukraine. *Journal of Vasyl Stefanyk Precarpathian National University*, 5(1), 65-72.
7. Posyagina, T. A., Bondarev, A. V., & Sapryko, I. A. (2015). Building a System Informative Abilities of Bachelors of Technical College. *Mediterranean Journal of Social Sciences*, 6(5 S4), 446.
8. Asanaliev, M. K., Kaidarova, A. D., Iskakova, A. T., Baizakova, E. M., Balabekova, M. Z., Duysenov, D. C., & Baisalbayeva, K. N. (2014). Occupational orientation of students independent work as a factor of students learning efficiency upgrading. *Life Science Journal*, 11(6 SPEC. ISSUE), 414-418.
9. Konotop, A. V., Damulin, I. V., & Strutsenko, A. A. Organizational and pedagogical conditions of formation of modern specialist. Example of educational process at medical university.
10. Yachina, N. P., Petrova, T. N., Kharitonov, M. G., Nikitin, G. A., & Zhumataeva, E. O. (2016). The method of the content selection for formation of technological culture among students based on ethnological values. *International Electronic Journal of Mathematics Education*, 11(1), 211-219.
11. Stukalenko, N. M. (2016). INDIVIDUAL APPROACH IN TEACHING PROCESS. *European Journal of Natural History*, (6), 103-107.
12. Fayzullina, A. R., & Saglam, F. A. (2015). History and social sciences teacher's professional activity in the context of IT-development of education. *Journal of Sustainable Development*, 8(7), 107.
13. Bayanova, A. R., Kuznetsov, V. V., Merculova, L. V., Gorbunova, L. N., Pervozvanskaya, O. A., Shalamova, O. O., & Vorobyova, C. I. (2019). Student Performance Interrelation with Gadget Use at Lessons. *Journal of Environmental Treatment Techniques*, 7(3), 432-437.
14. O.N. Buchinskaya (2013) Problems of implementing a point-rating system in higher education, *Political Journal of Scientific Publications*, № 7(37) . – pp. 8-10.
15. R.R. Vakhitov (2013) On the point-rating system. *Teacher's Thoughts, Newspaper of Bashkir State University*, №6-7. P. 4.