

**The procedure for certification
in the discipline " Pharmaceutical ecology"
for students in basic vocational education
specialist 's program
specialty 33.05.01 Pharmacy,
focus (profile) Pharmacy,
Full-time form of education
for 2023-2024 academic year**

Rd - final rating for the discipline - individual cumulative assessment of mastering the academic discipline in points, taking into account intermediate certification, the maximum number of points is 100, the minimum number of points at which the discipline can be credited is 61 (see table 1).

Final discipline rating (Rd) is calculated using the following formula:

$$Rd = (Ric + Ra) / 2$$

Rd - final rating by discipline

Ric - rating of intermediate certification (exam)

Ra- the average rating of the discipline for two semesters of study - an individual assessment of the assimilation of the academic discipline in points for the semester of study.

The average rating of the discipline for 2 semesters is calculated using the following formula:

$$Rd_{av} = (Rpre7 + Rpre8) / 2$$

Rpre3- rating by discipline in the 7rd semester preliminary

Rpre4- rating by discipline in the 8th semester preliminary

Calculation algorithm:

1. Methodology for calculating the average score of the current performance (Rcurrent)

The current rating in the discipline is assessed in total, taking into account the current performance, which is assessed by the average score, taking into account the assessment for independent work.

The knowledge and work of the student in practical classes are evaluated by the teacher in each semester, according to the classical 5-point system.

Independent work of students includes independent study of individual topics provided for by the work program.

Student reporting form - presentation preparation.

1. A separate presentation is prepared for each topic of independent work.
2. Each presentation is made by the student individually.
3. The number of slides in the presentation at the rate of 5 semantic slides for 1 hour.
4. On the first slide, the topic of the work, full name and group number of the student who completed the work is indicated.
5. There should be no more than 5-6 lines of text on the slide (font-14-18).
6. No more than 50% of the slides should have pictures or tables illustrating the material under consideration.
7. The presentation must include a slide with literary sources of information. Sources must be up-to-date (no more than 5 years from the date of publication, with the exception of individual classical works).
8. In the full-time format of training, independent work is handed over personally to the teacher in electronic form.
9. In the distance learning format, the completed work is translated into pdf format, posted on the electronic information and educational portal of the VolgGMU in the course of the discipline in the "Independent work" section.
10. Before posting on the educational portal of VolgGMU, it is necessary to correctly name the file to be checked with the work performed:

NAME. student_group, course_ Self-work_No__

Each topic of independent work is evaluated from 3 to 5 points, work rated below 3 points is not counted and requires revision by the student (Table 1).

Table 1. Calculation of points for independent work of students

Criteria for evaluation	rating score
The work has not been handed over, not handed over in full, the work does not correspond to the subject of independent work.	0 -2

The work was submitted in full, but it contained more than 2 gross thematic errors or omitted more than 1 key issue of the topic of independent work.	3
The work was submitted in full, but 1-2 gross thematic errors were made in it or 1 key question of the topic of independent work was omitted.	4
The work was submitted in full, but 1-2 gross thematic errors were made in it or 1 key question of the topic of independent work was omitted.	5

At the end of the semester, a centralized calculation of the student's average grade is made, in the semester with its transfer to a 100-point system (according to Table 2).

Table 2. Translation of the average score of the student's current performance into a rating score according to a 100-point system

Average score on a 5-point system	Score on a 100-point system	Average score on a 5-point system	Score on a 100-point system	Average score on a 5-point system	Score on a 100-point system
5.0	100	4.0	76-78	2.9	57-60
4.9	98-99	3.9	75	2.8	53-56
4.8	96-97	3.8	74	2.7	49-52
4.7	94-95	3.7	73	2.6	45-48
4.6	92-93	3.6	72	2.5	41-44
4.5	91	3.5	71	2.4	36-40
4.4	88-90	3.4	69-70	2.3	31-35
4.3	85-87	3.3	67-68	2.2	21-30
4.2	82-84	3.2	65-66	2.1	11-20
4.1	79-81	3.1	63- 64	2.0	0-10
		3.0	61-62		

2. Methodology for calculating the score of the intermediate certification - (exam) (Ric):

The discipline exam for students takes the form of an interview, which includes questions on all sections of the program being studied, as well as assessing the level of formation of the practical component of the competencies being formed. The minimum number of points (Rpa) that can be obtained as part of the intermediate certification is 61, the maximum is 100 points (see Table 3.)

Table 3. Criteria for assessing the level of assimilation of the material of the discipline and the formation of competencies

characteristic	Average score on ECTS	Average score on a 100-point system	The level of formation of competence in the discipline	Average score on 5-point system
A complete, detailed answer to the question posed is given, a set of conscious knowledge about an object is shown, which manifests itself in the free operation of concepts, the ability to distinguish its essential and non-essential features, cause-and-effect relationships. Knowledge about the object is demonstrated against the background of understanding it in the system of this science and interdisciplinary connections. The answer is formulated in terms of science, stated in literary language, logical, evidential, demonstrates the author's position of the student. The student demonstrates an advanced high level of competence	A	100-96	high	5 (5+)

formation				
A complete, detailed answer to the question posed is given, a set of conscious knowledge about the object is shown, the main provisions of the topic are convincingly disclosed; the answer shows a clear structure, a logical sequence that reflects the essence of the disclosed concepts, theories, phenomena. Knowledge about the object is demonstrated against the background of its understanding in the system of this science and interdisciplinary connections. The answer is stated in the literary language in terms of science. There may be errors in the definition of concepts, corrected by the student independently in the process of answering. The student demonstrates an advanced level of competence formation	B	95–91		5
A complete, detailed answer to the question posed is given, the ability to identify essential and non-essential features, causal relationships is shown. The answer is clearly structured, logical, written in literary language in terms of science. Shortcomings or minor errors may be made, corrected by the student with the help of the teacher. The student demonstrates a sufficient level of competence formation.	C	90–81	middle	4
A complete, detailed answer to the question posed is given, the ability to identify essential and non-essential features, causal relationships is shown. The answer is clearly structured, logical, stated in terms of science. However, minor errors or shortcomings were made, corrected by the student with the help of the "leading" questions of the teacher. The student demonstrates an average level of competence formation.	D	80-76		4 (4-)
A complete, but insufficiently consistent answer to the question is given, but the ability to identify essential and non-essential signs and cause-and-effect relationships is shown. The answer is logical and stated in terms of science. 1-2 mistakes can be made in the definition of basic concepts that the student finds it difficult to correct on his own. The student demonstrates a low level of competence formation.	E	75-71		3 (3+)
An insufficiently complete and insufficiently detailed answer is given. The logic and sequence of presentation have violations. Mistakes were made in the disclosure of concepts, the use of terms. The student is not able to independently identify essential and non-essential features and cause-and-effect relationships. The student can concretize generalized knowledge, proving their main provisions with examples only with the help of a teacher. Speech design requires amendments, correction. The student demonstrates a threshold level of competence formation.	E	70-66	low	3

An incomplete answer is given, the logic and sequence of presentation have significant violations. Gross mistakes were made in determining the essence of the disclosed concepts, theories, phenomena, due to the student's misunderstanding of their essential and non-essential features and relationships. There are no conclusions in the answer. The ability to reveal specific manifestations of generalized knowledge is not shown. Speech design requires amendments, correction. The student demonstrates an extremely low level of competence development.	E	65-61	lowest	3 (3-)
An incomplete answer is given, representing scattered knowledge on the topic of the question with significant errors in the definitions. There is fragmentation, illogicality presentation. The student does not realize the connection of this concept, theory, phenomenon with other objects of the discipline. There are no conclusions, concretization and proof of presentation. Speech is illiterate. Additional and clarifying questions of the teacher do not lead to the correction of the student's answer not only to the question posed, but also to other questions of the discipline. The student demonstrates an insufficient level of competence formation.	Fx	60-41		2
No answers were received on the basic questions of the discipline. The student does not demonstrate indicators of the achievement of the formation of competencies. Competence is missing.	F	40-0	Competence is missing.	2

3. System of bonuses and penalties

In this procedure for assessing the final rating score for the discipline, bonuses are provided that increase the rating score and penalties that lower the rating, according to the table (see table 4).

Table 4. System of bonuses and penalties

bonuses	Points
Educational and research work on the topics of the subject being studied	до + 5,0
Certificate of participation 1st degree	+ 5,0
Certificate of participation 2 degree	+ 4,0
Certificate of participation 3 degree	+ 3,0
Certificate of participation 4 degree	+2,0
Certificate of participation 5 degree	+1,0

<u>finis</u>		Points
Disciplinary	Missing a lecture or practical session without a valid reason	- 2,0
	Systematic lateness to lectures or practical classes	- 1,0
	Completing independent work not on time	- 1,0
	Safety violation	- 2,0
Causing material damage	Damage o fequipment and property	- 2,0

The final grade that the professor puts in the grade book is the final rating of the subject (R_d), translated into the “5-point system” system (Table 5).

Table 5. Final grade for the discipline

Evaluation on a 100-point system	Evaluation according to the system "passed - not credited"	Evaluation on a 5-point system		ECTS assessment
96-100	credited	5	Great	A
91-95	credited			IN
81-90	credited	4	Fine	WITH
76-80	credited			D
61-75	credited	3	satisfactorily	E
41-60	not credited	2	unsatisfactory	fx

Considered at a meeting of the Department of General Hygiene and Ecology on May 24, 2023, protocol No. 9.



Head of the department

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