

**Attestation procedure
in the discipline "Physiology"
for students of the educational program
specialist degree
in the specialty 33.05.01 Pharmacy,
direction (profile) Pharmacy,
form of study full-time
for the 2023-2024 academic year**

The final rating for the discipline (Rd) is calculated using the following formula:

$$R_d = (R_{dav} + R_{is}) / 2$$

where Rd is the rating for the discipline

R_{is} – intermediate certification rating (exam)

R_{dav} – average rating of the discipline for the second and third semester – individual assessment of mastering the academic discipline in points for two semesters of study.

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

$$R_{dav} = (R_{prel\ 1} + R_{prel\ 2}) / 2$$

Where:

R_{prel 1} – preliminary rating for the discipline in the 2nd semester

R_{prel 2} – preliminary rating for the discipline in the 3rd semester

The preliminary rating for the discipline in the 2nd and 3rd semester is calculated using the following formula:

$$R_{prel} = R_{cur} + R_b - R_f$$

Where:

R_{cur} – current rating for the second and third semester (current performance, assessed by average score, taking into account the assessment for independent work)

R_b – bonus rating

R_f – rating of fines

The maximum number of points that a student can receive in a discipline in a semester is 100. The minimum number of points at which the discipline must be passed is 61.

1. Methodology for calculating the average score of current academic performance

The rating score for the discipline (R_{cur}) 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 student's knowledge and work in practical classes are assessed by the teacher every semester using the classic 5-point system.

Independent work of students includes independent study of individual topics provided for in the work program. Student reporting form – preparing and submitting an essay. Each topic of independent work is graded from 3 to 5 points; work graded below 3 points is not counted and requires improvement by the student (Table 1).

At the end of each semester, a centralized calculation of the student's grade point average in the semester is carried out, transferring it to a 100-point system (Table 2).

Table 1. Grading for students' independent work

Evaluation criteria	Rating score
The work was not submitted, it was not submitted in full, the work does not correspond to the topic of independent work.	0-2
The work was submitted in full, but more than 2 gross thematic errors were made or more than 1 key question on the topic of independent work was missed.	3
The work was submitted in full, but 1-2 gross thematic errors were made or 1 key question on the topic of independent work was missed.	4
The work was submitted in full, there are no gross thematic errors in it, and the key questions of the topic of independent work were not missed.	5

Table 2. Conversion of the student's average score of the current academic performance into a rating score using 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		

3. Methodology for calculating the score of intermediate certification (exam) (R_{is})

Intermediate certification in the discipline is carried out in the form of an exam. The exam takes the form of an interview with an assessment of the maturity of the practical component of the competencies being formed, which includes questions on all sections of the program being studied. The minimum number of points (R_{is}) that can be obtained during an interview is 61, the maximum is 100 points (Table 3).

Table 3. Criteria for assessing the level of mastery of discipline material and the development of competencies

Characteristics of the answer	Grade ECTS	Points in BRS	Level of competence development in the discipline	Grade on a 5-point system
A complete, detailed answer to the question posed is given, the totality of conscious knowledge about an object is shown, manifested in the free operation of concepts, the ability to identify its essential and non-essential features, and cause-and-effect relationships. Knowledge about the object is demonstrated against the background of its understanding in the system of this science and interdisciplinary connections. The answer is formulated in scientific terms, presented in literary language, logical, demonstrative, and demonstrates the student's author's position. The student demonstrates a high advanced level of competence development	A	100–96	HIGH	5 (5+)
A complete, detailed answer to the question is given, the totality of conscious knowledge about the object is shown, the main provisions of the topic are conclusively revealed; the answer shows a clear structure, a logical sequence that reflects the essence of the concepts, theories, and phenomena being revealed. Knowledge about an object is demonstrated against the background of understanding it in the system of a given science and interdisciplinary connections. The answer is stated in literary language in scientific terms. There may be shortcomings in the definition of concepts, which are corrected by the student independently during the answering process. The student demonstrates a high level of competence development	B	95–91		5
A complete, detailed answer to the question posed is given, the ability to identify essential and non-essential features and cause-and-effect relationships is demonstrated. The answer is clearly structured, logical, and presented in literary terms in scientific terms. There may be shortcomings or minor mistakes, corrected by the student with the help of the teacher. The student demonstrates an average high level of	C	90–81	AVERAGE	4

competence development.				
A complete, detailed answer to the question is given, the ability to identify essential and non-essential features and cause-and-effect relationships is demonstrated. The answer is clearly structured, logical, and stated in scientific terms. However, minor mistakes, or omissions were made, which were corrected by the student with the help of the teacher's "leading" questions. The student demonstrates an average sufficient level of competence development.	D	80-76		4 (4-)
A complete, but insufficiently consistent answer to the question posed is given, but at the same time the ability to identify essential and non-essential features and cause-and-effect relationships is demonstrated. The answer is logical and stated in scientific terms. There may be 1-2 mistakes made in defining basic concepts, which the student finds difficult to correct on his own. The student demonstrates a low level of competence development.	E	75-71		3 (3+)
The answer given is insufficiently complete and insufficiently detailed. The logic and consistency of presentation have violations. Mistakes were made in the disclosure of concepts and 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 by proving its main points with examples only with the help of the teacher. Speech design requires amendments and corrections. The student demonstrates an extremely low level of competence development	E	70-66	LOW	3
An incomplete answer was given; the logic and sequence of presentation have significant violations. Gross mistakes were made in determining the essence of the concepts, theories, and phenomena being revealed, due to the student's lack of understanding of their essential and non-essential features and connections. The answer contains no conclusions. The ability to reveal specific manifestations of generalized knowledge is not shown. Speech design requires amendments and corrections. The student demonstrates a threshold level of	E	65-61	THRESHOLD	3 (3-)

competence development				
An incomplete answer was given, representing scattered knowledge on the topic of the question with significant errors in definitions. There is fragmentation and illogical presentation. The student does not realize the connection of this concept, theory, phenomenon with other objects of the discipline. There are no conclusions, specificity and evidence of the presentation. Speech is illiterate. Additional and clarifying questions from the teacher do not lead to correction of the student's answer not only to the question posed, but also to other questions in the discipline. No competence.	Fx	60-41	COMPETENCE ABSENT	2
Answers on basic questions of the discipline have not been received. The student does not demonstrate indicators of achieving the formation of competencies. No competence.	F	40-0		2

4. System of bonuses and fines

This model for calculating the rating score provides for bonuses that increase the rating score and fines that lower the rating, according to the table (Table 4).

Table 4. Bonuses and fines by discipline

Bonuses	Name	Points
ERWS	Educational and research work on the topics of the subject being studied	до + 5,0
	Certificate of SSS ¹ participant of the department, 1st degree	+ 5,0
SRWS	Certificate of SSS participant of the department, 2nd degree	+ 4,0
	C Certificate of SSS participant of the department, 3d degree	+ 3,0
	Certificate of SSS participant of the department, 4th degree	+ 2,0
	Certificate of SSS participant of the department, 5th degree	+ 1,0
Fines	Name	Points
Disciplinary	Absent a lecture or practical lesson without a good reason	- 2,0
	Systematic lateness to lectures or practical classes	- 1,0

	Completing independent work outside of the established deadlines	- 1,0
	Safety violation	- 2,0
Causing material damage	Damage to equipment and property	- 2,0

¹ student scientific society

The final grade that the teacher puts in the credit book is the final rating for the discipline (Rd), translated into a 5-point system (Table 5).

Table 5. Final grade for the discipline

Grade on a 100-point system	Grade according to the pass/fail system	Grade on a 5-point system		Grade on ECTS
96-100	passed	5	excellent	A
91-95	passed			B
81-90	passed	4	good	C
76-80	passed			D
61-75	passed	3	satisfactory	E
41-60	not passed	2	unsatisfactory	Fx
0-40	not passed			F

Considered at the meeting of the department of Normal physiology "25" May 2023, protocol N 9 a

Head of the Department



S.V.Klauchek