

**Procedure for conducting attestation  
in discipline «Microbiology»  
for students of 2025 year of admission  
under the educational programme  
33.05.01 Pharmacy,  
specialisation (profile) Pharmacy  
(Specialist's degree),  
form of study full-time  
for the 2026-2027 academic year**

1. General principles for calculating the rating in the discipline

The rating for a discipline is an individual assessment of the student's study of the discipline, which consists of the rating for the entire period of study of the discipline (preliminary rating) and the rating of the intermediate attestation.

2. Calculation of preliminary rating components

2.1. General principles

The discipline is studied over two semesters (2 and 3 semesters), therefore, the preliminary rating of the discipline for the entire period of study ( $R_{pr}$ ) corresponds to the average rating of the discipline in the 2nd and 3rd semesters:

$$R_{pr} = (R_{sem2} + R_{sem3}) / 2$$

The semester rating of the discipline is calculated according to the formula:

$$R_{sem} = (R_{cur} + R_{iw}) / 2 + R_b - R_p,$$

where  $R_{cur}$  is the current rating for the discipline,

$R_{iw}$  – rating of the student's independent work within the framework of the discipline,

$R_b$  – bonus rating,

$R_p$  is the penalty rating.

2.2. Calculating the current rating in the semester

The current semester rating ( $R_{cur}$ ) is calculated as the arithmetic average of all the grades received by the student during the semester of studying the discipline when performing the tasks of the current academic performance control, which include the following types of tasks: testing, solving situational problems, control work, interview on control issues, assessment of the development of practical skills.

The teacher evaluates the completion of tasks in each seminar-type lesson on a classic 5–point scale, where:

2 – unsatisfactory;

3 – satisfactory;

4 – good;

5 – excellent.

### 2.3. Calculation of the rating of independent work of a student in a semester (Riw)

The rating of independent work in the semester corresponds to the student's assessment for completing the independent work electronic training course in this discipline on the electronic information and educational portal of the VSMU. One semester of study of the discipline includes the implementation of one e-learning course of independent work.

The independent work is evaluated based on a classical 5-point scale, where:

2 – unsatisfactory;

3 – satisfactory;

4 – good;

5 – excellent.

### 2.4. Conversion of the current rating and the independent student's work rating into a score on a 100-point system

At the end of the semester, the student's current rating and the rating of independent work, calculated in a 5-point system, are converted to a score based on a 100-point system. The transfer is made according to Table 1.

Table 1

Conversion to a 100-point rating system

The average score according to the 5-point system	Score according to the 100-point system	The average score according to the 5-point system	Score according to the 100-point system	The average score according to the 5-point system	Score according to the 100-point system	The average score according to the 5-point system	Score according to the 100-point system
5,00	100	3,45	70	2,48	40	2,09	10
4,95	99	3,40	69	2,46	39	2,08	9
4,90	98	3,35	68	2,44	38	2,07	8
4,85	97	3,30	67	2,42	37	2,06	7
4,80	96	3,25	66	2,40	36	2,05	6
4,75	95	3,20	65	2,38	35	2,04	5
4,70	94	3,15	64	2,36	34	2,03	4
4,65	93	3,10	63	2,34	33	2,02	3
4,60	92	3,05	62	2,32	32	2,01	2
4,5	91	3,00	61	2,30	31	2,00	1
4,47	90	2,98	60	2,29	30		
4,43	89	2,95	59	2,28	29		
4,40	88	2,93	58	2,27	28		
4,37	87	2,90	57	2,26	27		
4,33	86	2,88	56	2,25	26		
4,30	85	2,85	55	2,24	25		
4,27	84	2,83	54	2,23	24		
4,23	83	2,80	53	2,22	23		

4,20	82	2,78	52	2,21	22		
4,17	81	2,75	51	2,20	21		
4,13	80	2,73	50	2,19	20		
4,10	79	2,70	49	2,18	19		
4,07	78	2,68	48	2,17	18		
4,03	77	2,65	47	2,16	17		
4,00	76	2,63	46	2,15	16		
3,90	75	2,60	45	2,14	15		
3,80	74	2,58	44	2,13	14		
3,70	73	2,55	43	2,12	13		
3,60	72	2,53	42	2,11	12		
3,50	71	2,50	41	2,10	11		

### 2.5. Bonus and Penalty Rating

Bonuses and penalties are awarded according to a 100-point system. The criteria for bonuses and penalties are given in table 2.

Table 2

Bonuses and Points

Bonuses		Points
RESEARCH WORK	Educational and research work on the topics of the studied subject (publication and participation in conferences)	up + 5,0
	Certificate, diploma, diploma, etc. of the participant of the department's research society	up + 5,0
Penalties		Points
Disciplinary	Omission of lectures or practical exercises without a valid reason	- 2,0
	Failure to complete assignments in practical classes	- 2,0
	Systematic lateness to lectures or practical exercises	- 1,0
	Performing independent work not on time	- 1,0
	Violation of safety regulations	- 2,0
	Causing material damage and damage to equipment and property	- 2,0

### 3. Calculation of the intermediate attestation rating

Intermediate attestation in the discipline is carried out in the form of an exam. The exam takes the form of an interview and a situational task solution with an assessment of the formation of the practical component of the competencies being formed, which includes questions on all the studied sections of the program.

The minimum number of points (Rinat) that can be obtained during an interview is 61, and the maximum is 100 points.

#### 4. Calculation of the final rating for the discipline

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

$$R_d = (R_{pr} + R_{inat}) / 2$$

The final rating calculated in the 100-point system is transferred to the "credited - not credited" system according to Table 3.

Table 3

Final rating for the discipline

Rating according to the 100-point system	Rating according to the system "credited - not credited"	ECTS score
100-96	credited	A
95-91		B
90-81		C
80-76		D
75-71		E
70-66		
65-61		
60-41	not credited	Fx
40-0		F

Considered at the Microbiology department meeting, protocol of «11» June 2025 г. № 12.

Head of the Department



Professor Stepanenko I.S.