

**Procedure for conducting attestation
in discipline « Toxicological Chemistry»
for students of 2023 year of admission
under the educational programme
33.05.01. Pharmacy,
specialisation (profile) Pharmacy
(Specialist's degree),
form of study full-time
for the 2025-2026 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 rating is based on the discipline "Toxicological Chemistry" (Rd), mastered by students during two (VI, VII) semesters:

$$R_d = (R_{pred} + R_{pa}) / 2,$$

where R_{pred} , R_{pa} are the required components,
 $n(2)$ is the number of rating components in the formula.

R_{pred} is the preliminary rating for the discipline for all semesters of study;

R_{pa} is the rating of the intermediate certification in the discipline (exam).

At the same time:

$$R_{pred} = (R_{sem6} + R_{sem7}) / 2,$$

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

$$R_{sem} = (R_{tec} + R_{iws}) / 2 + R_b - R_{sh},$$

where $n(2)$ is the number of semesters of study of the discipline;

R_{tec} – current rating for the discipline;

R_{iws} – rating of the student's independent work within the discipline;

R_{sem} – semester rating by discipline;

R_b – bonus rating;

R_{sh} – penalty rating.

The minimum number of points according to the 100-point system, in which one or another component of the rating is counted as passed, is 61 points, and the maximum number is 100 points.

2.2. Calculating the current rating in the semester

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

The teacher evaluates the completion of tasks in each seminar-type lesson based on the criteria presented below (Table 1) on a classic 5-point scale, where:

2 – unsatisfactory;

3 – satisfactory;
4 – good;
5 – excellent.

Table 1

Criteria for forms of current control
in the discipline " Toxicological Chemistry"

Task type	Evaluation criteria	Rating on a 5-point scale			
		5	4	3	2
Testing	• Percentage of correct answers	91-100	76-90	61-75	< 61
Solving situational problems	• The accuracy of the response received	right	right	partially correct	incorrect
	• Availability, completeness and correctness of the justification of the received response	justified without comments	justified with comments	partially justified	there is no justification
Control work	• The accuracy of the responses received	right	right	partially correct	incorrect
	• Availability, completeness and correctness of the justification of the answers received	justified without comments	justified with comments	partially justified	-
Interview on control issues	• Correct response	right	right	partially correct	incorrect
	• Completeness of the response	full	quite complete	incomplete	incomplete
	• The structure and logic of the response	structured, logical	basically structured, logical	it is poorly structured, the logic is broken	unstructured, fragmented, chaotic
Assessment of the development of practical skills	• Knowledge of the theoretical foundations of the skill performance	knowledge	knowledge	uncertain knowledge	lack of knowledge
	• Compliance with the technique of performing the skill and the success of the result	compliance, successful outcome	compliance with minor inaccuracies, a successful result	completing the skill only after the teacher's correction is a successful result	an attempt to perform a skill that does not lead to a successful result, refusal to perform the skill
	• Confidence and stability of skill performance	confidence and stability	lack of confidence in overall stability	uncertainty, repetition of mistakes when replaying a skill	

At the end of each semester of studying the discipline "Toxicological Chemistry", Rtecs are calculated and the calculated value is converted to a 100-point scale according to Table 3 of the appendix to this Procedure.

The absence of current debt is considered to be an R_{tec} value of more than 61 points.

2.3. Calculation of the rating of independent work of a student in a semester (R_{IWS})

The student's independent work rating (IWS) in the semester corresponds to the student's assessment for completing the IWS electronic training course in the discipline "Toxicological Chemistry" on the electronic information and educational portal of the Federal State Budgetary Educational Institution of Higher Medical Education of the Ministry of Health of the Russian Federation.

One semester of studying the discipline includes one e-learning course of IWS, respectively, three semesters of studying the discipline - three e-learning courses of IWS.

The IWS is evaluated based on the criteria presented below (Table 2) on a classical 5-point scale, where:

- 2 – unsatisfactory;
- 3 – satisfactory;
- 4 – good;
- 5 – excellent.

Table 2

Criteria for the generalized assessment of IWS
in the discipline " Toxicological Chemistry"

Task type	Evaluation criteria	Rating on a 5-point scale			
		5	4	3	2
IWS in the form of an electronic course/course element at the VolgSMU EIOP	• Meeting deadlines for completing work	complied with	complied with	complied with	not complied with
	• Completeness of the study of the material that is not subject to evaluation (watching presentations, videos)	studied in full	studied in full	studied in full	it has not been fully studied
	• Completing the tasks of the assessment parts of the e-learning course and the control section	>4,50	4,00 – 4,49	3,00 – 3,99	<3,00

At the end of each semester of the study of the discipline "Toxicological Chemistry", the student's R_{IWS} is calculated with its calculated value converted to a 100-point scale according to Table 3 of the appendix to this Procedure.

The absence of current debt is considered to be the value of R_{IWS} more than 61 points.

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 IWS rating, calculated in a 5-point system, are converted to a score based on a 100-point system. The transfer is made according to Table 3.

Table 3

Converting the average score of a student's current academic performance to a rating score
based on a 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	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 4..

Table 4

Discipline bonuses and penalties

Bonuses	Name	Scores
educational research work	Educational and research work on the topics of the studied subject	up to + 5,0
scientific research work	Certificate, diploma, diploma, etc. of the participant of the MNO department	up to + 5,0
Penalties	Name	Scores
Disciplinary	Skipping a lecture or a practical lesson without a valid reason	- 2,0
	Systematic lateness to lectures or practical classes	- 1,0
	Performing independent work not on time	- 1,0
	Violation of safety regulations	- 2,0
Causing material damage	Damage to equipment and property	- 2,0

3. Calculation of the intermediate attestation rating

The intermediate certification in the discipline is carried out in the form of an exam and includes the following types of tasks: interviewing and solving situational tasks.

The assessment of the student's level of formation of the necessary competencies is carried out on a 100-point scale according to the criteria in Table 5..

Table 5

Criteria for assessing the level of assimilation of the discipline's material and the formation of competencies

Response characteristics	Evaluation ECTS	Points in the BRS	The level of competence formation in the discipline
A complete, detailed answer to the question is given, and 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 terms of science, presented in literary language, logical, evidence-based, demonstrates the author's position of the student. The student demonstrates a high advanced level of competence formation. Intermediate certification passed.	A	100-96	HIGH
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 evidently revealed; a clear structure and logical sequence can be traced in the answer, reflecting the essence of the concepts, theories, and phenomena being disclosed. Knowledge about the object is demonstrated against the background of its understanding in the system of this science	B	95-91	

and interdisciplinary connections. The answer is presented in literary language in terms of science. There may be errors in the definition of concepts, corrected by the student himself in the process of responding. The student demonstrates a high level of competence formation. Intermediate certification passed.			
A complete, detailed answer to the question is given, the ability to identify essential and non-essential signs, cause-and-effect relationships is shown. The answer is clearly structured, logical, and presented in literary language in terms of science. There may be mistakes or minor mistakes that have been corrected by the student with the help of a teacher. The student demonstrates an average increased level of competence formation. Intermediate certification passed.	C	90-81	AVERAGE
A complete, detailed answer to the question is given, the ability to identify essential and non-essential signs, cause-and-effect relationships is shown. The answer is clearly structured, logical, and presented in terms of science. However, minor errors or omissions were made, corrected by the student with the help of "leading" questions from the teacher. The student demonstrates an average sufficient level of competence formation. Intermediate certification passed.	D	80-76	
A complete but insufficiently consistent answer to the question is given, but at the same time 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. There may be 1-2 mistakes in defining basic concepts that the student finds difficult to correct on their own. The student demonstrates a low level of competence formation. Intermediate certification passed.	E	75-71	LOW
An insufficiently complete and insufficiently detailed answer has been given. The logic and sequence of the 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 signs and cause-and-effect relationships. A student can concretize generalized knowledge by proving its main points by examples only with the help of a teacher. Speech design requires corrections and corrections. The student demonstrates an extremely low level of competence formation. Intermediate certification passed.	E	70-66	
An incomplete answer is given, and the logic and sequence of the presentation have significant violations. Gross errors were made in determining the essence of the disclosed concepts, theories, and phenomena, due to students' misunderstanding of their essential and nonessential features and connections. There are no conclusions in the response. The ability to reveal specific manifestations of generalized knowledge is not shown. Speech design requires corrections and corrections. The student demonstrates a threshold level of competence formation. Intermediate certification passed.	E	65-61	THRESHOLD
An incomplete answer is given, representing scattered knowledge on the topic of the question with significant errors in definitions. There is fragmentary and illogical presentation. The student is not aware of the connection of this concept, theory, phenomenon with other objects of the discipline. There are no conclusions, concretization, and evidence-based presentation. The speech is illiterate. Additional and clarifying questions from the teacher do not lead to a correction of the student's answer not only to the question posed, but also to other questions of the discipline. There is no competence. Intermediate certification failed.	Fx	60-41	COMPETENCY ABSENT
No answers have been received on the basic questions of the discipline. The student does not demonstrate indicators for achieving competence formation. There is no competence. Intermediate certification failed.	F	40-0	

4. Calculation of the final rating for the discipline

The final grade in the discipline (Rd) is calculated using the formula:

$$Rd = (Rpred + Rpa) / 2$$

The final score calculated in a 100-point system is then converted to a 5-point system according to Table 6.

Table 6

Final assessment of the discipline

The score is based on a 100-point system	Assessment according to the 5-point system (for a test with an assessment, an exam)		Оценка по ECTS
100-96	5	Excellent	A
95-91			B
90-81	4	Good	C
80-76			D
75-71	3	Satisfactorily	E
70-66			
65-61			
60-41	2	Unsatisfactorily	Fx
40-0			F

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Head of the Department



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