

	<p>Federal State Budgetary Educational Institution of Higher Education "Volgograd State Medical University" Ministry of Health of the Russian Federation</p> <p>Educational program Specialty 31.05.01 "Medical science" (specialty level)</p>	<p>EDUCATIONAL AND METHODICAL COMPLEX OF THE DISCIPLINE "UROLOGY"</p>
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**Certification procedure
in the discipline "Urology"
for students in 2022, 2023 years of admission
by educational program
31.05.01. Medical business,
Medical business profile
(specialty),
form of study: full-time
2025-2026 academic year.**

1. General principles of rating calculation by discipline

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

2. Calculation of preliminary rating components

2.1. General principles

The discipline is studied for two semesters (the sixth and seventh), so the preliminary rating for the discipline for the entire period of study (R_{pre}) corresponds to average semester rating of the discipline in the sixth and seventh semesters:

$$R_{pre} = (R_{cem6} + R_{cem7})/2$$

where:

R_{c7} -rating on the discipline in the 7th semester preliminary

R_{c6} - rating for the discipline in the 6th semester preliminary

The semester fee for the discipline in the 6th and 7th semesters is calculated using the following formula:

$$R_{cem} = (R_{tec} + R_{cro})/2 + R_b - R_{sh}$$

where:

R_{tec} – current rating for the semester (current academic performance, which is evaluated based on the average score, taking into account the assessment for independent work)

Rcro – rating of the student's independent work within the discipline.

Rb-bonus rating

Rus-penalty rating

2.2. Calculation of the current rating in the semester.

The current rating in the semester (*Rtec*) is calculated as the arithmetic average of all grades received by the student during the semester of studying the discipline when performing tasks of the current performance control, which include the following types of tasks: testing, solving situational problems, control work, interviewing control questions, assessment of the development of practical skills (abilities).

The teacher evaluates the performance of tasks in each seminar-type class 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 the current certification forms used

Task type	Evaluation criteria	Score on a 5-point scale			
		5	4	3	2
Testing	Percentage of correct answers	91-100	76-90	61-75	<61
Solving situational problems	Accuracy of the answer received	correct	correct	partially correct	incorrect
	Availability, completeness and correctness of the justification of the answer received	justified without comments	justified with comments	partially justified	justification no
Test work	Accuracy of the answer received	correct	correct	partially correct	incorrect
	The presence, completeness and correctness of the received response justification	justified without comments	justified with comments	partially justified	-
	The answer	is correct	correct	partially correct	incorrect
	The answer	is complete	enough complete	incomplete	incomplete
	Structure and logic of the answer	structured, logical	mostly structured, logical	poorly structured, logic is broken	not structured, fragmented, chaotic
Assessment of the	Knowledge of the theoretical	knowledge	knowledge	unsure knowledge	lack of knowledge

development of practical skills (skills)	foundations of skill execution				
	Compliance with the technique of skill execution and success of the result	complies, successful result	compliance with minor inaccuracies, successful result	performing the skill only after correction by the teacher, successful result	Attempt to perform the skill that does not lead to a successful result, refusal to perform the skill
	Confidence and stability of skill execution	confidence and stability	lack of confidence in general stability	uncertainty, repeated mistakes when playing the skill again	

At the end of the semester, Rtek is calculated and the calculated value is converted to a 100-point scale according to Table 3. The absence of current debt is considered to be an Rtek value of more than 61 points.

2.3. Calculation of the student's independent work rating in the semester (Rsro)

The SRO rating in the semester corresponds to the student's assessment for completing the SRO electronic training course in this discipline on the electronic information and educational portal of the Volga State Medical University of the Ministry of Health of the Russian Federation. One semester of studying the discipline includes the implementation of one electronic training course SRO.

SRO assessment is carried out on the basis of 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 evaluating SROs

Task type	Evaluation criteria	Assessment criteria Assessment on a 5-point scale			
		5	4	3	2
SRO in the form of an electronic course at the EIOP	of VolgSMU Compliance with deadlines for completing the work	met	met	met	not met
	Completeness of studying material that is not subject to evaluation (viewing presentations, videos)	fully studied fully	fully studied	studied fully	studied not fully
	completed tasks of the evaluation parts of the EQ and control section	>4.50	4.00-4.49	3.00-3.99	<3.00

2.4. Conversion of the current rating and SRO rating to a 100-point rating system.

At the end of each study, the student's Rspo is calculated and the calculated value is converted to a 100-point scale according to Table 3. The absence of current debt is considered to be an Rspo value of more than 61 points

Table 3

5-point system Average	score 100-point system	Average score 5-point system	Score 100-point system	Average score 5-point system	Score 100-point system	Average score 5-point system	Score 100-point system
Average score 5.00	100	3.45	70	2.48	40	2.0909	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. Rating of bonuses and penalties

Bonuses and penalties are issued on a 100-point system. The criteria for bonuses and penalties are shown in table 4.

Table 4

Bonuses	Name	Scores
UIRS Points	Educational and research work on the topics of the subject under study	up to + 5.0
NIRS	RIRS Certificate, diploma, diploma, etc. of the participant of the department	's MRE up to + 5.0
Fines	Name	Points
Disciplinary	Skipping lectures or practical classes without a valid reason	-2.0
	Failure to complete tasks in practice classes	- 2.0
	Systematic lateness to lectures or practical classes	- 1.0
	Violation of safety regulations	-2.0
Causing material damage	Damage to equipment and property	-2.0

3. Calculation of the intermediate certification rating

Intermediate certification in the discipline is carried out in the form of an exam and includes the following types of tasks: interview for control questions. Assessment of the level

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

Table 5

Characteristics of the answer	ECTS	Score Points in the BRS	Level of competence formation in the discipline
A complete, detailed answer to the question is given, a set of conscious knowledge about the object is shown, which manifests itself in the free operation of concepts, the ability to identify its essential and non-essential features, cause-and-effect relationships. Knowledge about an 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, and demonstrates the author's position of the student. The student demonstrates a high advanced level of competence formation. Intermediate certification completed.	A	100-96	high
POINTS Give a complete, detailed answer to the question posed, show the totality of conscious knowledge about the object, demonstrate the main provisions of the topic; the answer traces a clear structure, logical sequence, reflecting the essence of the concepts, theories, and phenomena being revealed. Knowledge about an object is demonstrated against the background of its understanding in the system of this science and interdisciplinary connections. The answer is presented in literary language in terms of science. There may be shortcomings in the definition of concepts that are corrected by the student independently during the response process. The student demonstrates a high level of competence development. Intermediate certification completed.	In	95-91	
, a complete, detailed answer to the question is given, and 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 shortcomings or minor errors corrected by the student with the help of the teacher. The student demonstrates an average increased level of competence formation. Intermediate certification completed.	With	90-81	AVERAGE
, a full, detailed answer to the question is given, the ability to identify significant and non-essential signs, cause-and-effect relationships is shown. The answer is clearly structured, logical, and presented in terms of science. However, minor mistakes or shortcomings 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 completed.	D	80-76	

A complete but not sufficiently consistent answer to the question is given, but the ability to identify significant and non-essential features and cause-and-effect relationships is shown. The answer is logical and stated in terms of science. There may be 1-2 errors in the definition of basic concepts that the student finds difficult to correct independently. The student demonstrates a low level of competence formation. Intermediate certification completed.	E	75-71	low
: An insufficiently complete and detailed answer was given. 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 the generalized knowledge, proving their main points by examples only with the help of the teacher. Speech design requires corrections and corrections. The student demonstrates an extremely low level of competence formation. Intermediate certification completed.	E	70-66	
An incomplete answer is given, and the logic and sequence of presentation are significantly violated. Gross errors were made in determining the essence of the disclosed concepts, theories, and phenomena, due to the students' misunderstanding of their essential and non-essential 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 completed.	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, 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, or evidence-based 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 of the discipline. There is no competence. Intermediate certification failed.	Fx	60-41	COMPETENCE LEVEL NO COMPETENCE
Answers to basic questions of the discipline were not received. The student does not demonstrate indicators of achievement of competence formation. There is no competence. Intermediate certification failed.	F	40-0	

4. Calculation of the final rating by discipline

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

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

The final score calculated in the 100-point system is transferred to the "credited - not credited" system according to Table 6.

Table 6

Score based on the 100-point system	Score according to the "credited – not credited" system	Оценка по ECTS rating
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

Approved upon urology department conference, protocol 16 upon 28.05.2025.

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