Procedure for conducting attestation in discipline «Medical informatics» for students of 2024 year of admission under the educational programme 31.05.01 General Medicine (Specialist's degree), form of study full-time correspondence for the 2025-2026 academic year

1. General principles for calculating the rating for a 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 midterm assessment.

- 2. Calculation of the components of the preliminary rating
- 2.1. General principles

The discipline is studied during one semester (the first), therefore the preliminary rating for the discipline for the entire period of study (Rпредв) corresponds to the semester rating of the discipline in the first semester (Rcem):

The semester rating of a discipline is calculated using the formula:

$$Rcem = (Rtek + Rcpo) / 2 + Rб - Riii$$

where Rτεκ – Current rating by discipline,

Rcpo – rating of independent work of the student within the framework of the discipline,

Rб – bonus rating,

Rш – rating of fines

2.2. Calculation of the current rating in the semester

The current rating in the semester (Rtech) is calculated as the arithmetic mean of all grades received by the student during the semester of studying the discipline when completing assignments of the current monitoring of academic performance, which include the following types of assignments: testing, preparation of presentations and/or reports in a small group or individually with the possibility of subsequent defense (submission of a report), interview on control questions.

The completion of assignments is assessed by the teacher at each seminartype 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 the forms of current certification used

Task type	Evaluation criteria				
		5	4	3	2
Testing	Percentage of correct answers	91-100	76-90	61-75	< 61
Presentations	1. Technical assessment: • compliance with deadlines for submission of work • compliance with design requirements	complied with	sufficiently observed	partially met	not met
	2. Content Rating: compliance of the content with the topic fact of disclosure of the topic reflection of all necessary elements of the task in the work compliance of the style of the text with the type of work	complied with	sufficiently observed	partially met	not met
	3. Evaluation of the student's analytical work: adequacy of the choice of sources level of analysis (deep/superficial) analytical tools and presentation of conclusions (including the use of diagrams, examples, illustrations, graphs, etc.)	assessme nt criteria fully disclosed	assessment criteria are disclosed sufficiently	evaluation criteria partially disclosed	assessm ent criteria not disclose d
Reports	1. Technical assessment: compliance with the performance regulations compliance with the requirements for the elements of the performance	complied with	sufficiently observed	partially met	not met
	2. Content assessment: presence of structure and logic of the report presence of links and transitions between	complied with	sufficiently observed	partially met	not met

	parts of the report				
	disclosure of the topic				
	in the report				
	3. Aesthetic assessment	high level	average	low level of	public
	(assessment of oratory	of	level of	developme	speakin
	skills) (if required):	developm	public	nt of public	g skills
	speech rate speech	_	speaking	speaking	not
	volume use of	public	skills	skills	develop
	appropriate style and	speaking	developme	SKIIIS	ed
	vocabulary	skills	_		cu
			nt		
	4. Evaluation of a	complied	sufficiently	partially met	not met
	group report (if	with	observed		
	required): distribution				
	of parts of the report				
	between speakers by				
	time and content taking				
	into account the				
	individual				
	characteristics of				
	speakers when				
	distributing parts of the				
	report between				
	speakers				
	5. Answers to	evaluatio	assessment	assessment	assessm
	questions following the	n criteria	criteria are	criteria are	ent
	report: psychological	are fully	disclosed	disclosed	criteria
	readiness to answer	disclosed	sufficiently	sufficiently	not
	correctness of	aisciosca	sufficiently	Sufficiently	disclose
	argumentation of				d
					u
	holding oneself	1. 1	CC : .1	4: 11 4	4 4
	6. Additionally –	1	sufficiently	partially met	not met
	asking questions to the	with	observed		
	speaker by other				
	students (if applicable):				
	the question is aimed at				
	obtaining information				
	that was not explicitly				
	reflected in the report				
	the question is not				
	aimed at identifying				
	information known to				
	the student the question				
	shows that the student				
	is analyzing the				
	information speaker				
Interview on	• Correctness of the	correct	correct	partially	incorrec
control	answer	<del></del>		correct	t
questions	• Completeness of the	complete	sufficiently	incomplete	incomp
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answer			complete		lete
• Structu	ire and logic of	structured	basically	poorly	unstruct
the answ	/er	, logical	structured,	structured,	ured,
			logical	logic is	fragme
				broken	nted,
					chaotic

At the end of the semester, Rtech is calculated and the calculated value is converted to a 100-point scale according to Table 3.

An Rtech value of more than 61 points is considered to be the absence of current debt.

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

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

CPO assessment is carried out based on the criteria presented below (Table 2) on a classic 5-point scale, where: 2 - unsatisfactory; 3 - satisfactory; 4 - good; 5 - excellent.

Table 2 Evaluation criteria CPO

Task type	Evaluation	Rating on a 5-point scale				
	criteria	5	4	3	2	
CPO in the form of an electronic course/course element on the	Compliance with deadlines for completing work	complied with	complied with	complied with	not observed	
ЭИОП VolGMU	Completeness of studying the material that is not subject to assessment (viewing presentations, videos)	studied fully	studied fully	studied fully	Studied not fully	
	Average score for completing current tests and the final test, taking into account the weight	> 4,50	4,00 – 4,49	3,00 – 3,99	< 3,00	

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

## 2.4. Conversion of the current rating and the CPO rating into a score on a 100-point system

At the end of the semester, the current rating and the CPO rating of the student, calculated on a 5- point system, are converted into a score on a 100-point system. The conversion is made according to Table 3.

Table 3
Translation into a rating point on a 100-point system

		l	a rating po	l		ĺ	_
Average	Score on	Average	Score on	Average	Score on	Average	Score on
score on	a 100-	score on	a 100-	score on	a 100-	score on	a 100-
a 5-point	point	a 5-point	point	a 5-point	point	a 5-point	point
scale	scale	scale	scale	scale	scale	scale	scale
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 assigned on a 100-point scale. Bonus and penalty criteria are given in Table 4.

Bonuses and penalties for discipline

Table 4

Bonuses	Name	Scores
УИРС	Educational and research work on the	Up to $+5,0$
	topics of the subject being studied	
НИРС	Certificate, diploma, etc. of a participant	Up to $+5,0$
	in MHO of the Department	
Penalties	Name	Scores
Disciplinary	Absence from a lecture or practical class	- 2,0
	without a valid reason	
	Systematic lateness to lectures or seminar-	- 1,0
	type classes	
	Violation of safety regulations	- 2,0
Causing material	Damage to equipment and property	- 2,0
damage		

## 3. Calculation of the midterm assessment rating

Midterm assessment for a discipline is carried out in the form of a test and includes the following types of tasks: interview.

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

Table 5 Criteria for assessing the level of assimilation of the discipline material and the formation of competencies

Characteristics of the answer	Assessment	Scores in	Level of
	ECTS	БРС	development of
			competence in the
			discipline
A complete, detailed answer to the	A	100-96	
question is given, a set of conscious			
knowledge about the object is			
shownmanifested in free operation of			
concepts, the ability to identify its			
essential and non -essential features,			
cause -and - effect relationships.			
Knowledge about the object is			Ξ
demonstrated against the background			
of its understanding in the system of			Н

this science and interdisciplinary connections. The answer is formulated in scientific terms, presented in literary language, logical, conclusive, demonstrates the author's position of the student. The student demonstrates a high advanced level of competence formation. Intermediate certification is passed.			
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 convincingly disclosed; a clear structure and logical sequence are traced in the answer, reflecting the essence of the concepts, theories, and phenomena being disclosed. Knowledge of the 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 scientific terms. There may be shortcomings in the definition of concepts, corrected by the student independently in the process of answering. The student demonstrates a high level of competence development. Intermediate assessment passed	В	95-91	
A full, detailed answer to the question is given, the ability to identify essential and non -essential features, cause -and - effect relationships is demonstrated. The answer is clearly structured, logical, presented in literary language in scientific terms. There may be shortcomings or minor errors corrected by the student with the help of the teacher. The student demonstrates an average advanced level of competence development. Intermediate assessment passed	C	90-81	MIDDLE
A full, detailed answer to the question is given, the ability to identify essential and non -essential features, cause -and - effect relationships is demonstrated. The answer is clearly structured, logical, and presented in scientific	D	80-76	

terms. However, minor errors or shortcomings 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. Interim assessment has been passed.			
A complete but insufficiently consistent answer to the question is given, but the ability to identify essential and non -essential features and cause -and -effect relationships is demonstrated. The answer is logical and presented in scientific terms. There may be 1 -2 errors in defining basic concepts that the student finds difficult to correct independently. The student demonstrates a low level of competence development. Interim assessment passed	E	75-71	
The answer is not complete or detailed enough. The logic and sequence of presentation are violated. Errors 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, proving its main provisions using examples only with the help of the teacher. Speech design requires amendments, correction. The student demonstrates an extremely low level of competence development. Interim assessment passed.	E	70-66	MOT

The answer is incomplete, the logic and sequence of presentation have significant violations. Gross errors were made in determining the essence of the concepts, theories, phenomena being revealed, due to the student's misunderstanding of their essential and non-essential features and connections. The answer lacks conclusions. The ability to reveal specific manifestations of generalized knowledge is not demonstrated. Speech design requires amendments, correction. The student demonstrates a threshold level of competence development. Interim assessment passed.	E	65-61	THRESHOLD
An incomplete answer is given, representing scattered knowledge on the topic of the question with significant errors in definitions. Fragmentation and illogical presentation are present. The student does not understand the connection of this concept, theory, phenomenon with other objects of the discipline. There are no conclusions, specification and evidence of presentation. Speech is illiterate. Additional and clarifying questions from 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. Competence is absent. Midterm assessment has not been passed.	Fx	60-41	NO COMPETENCE
No answers were received to the basic questions of the discipline. The student does not demonstrate indicators of achievement of the formation of competencies. Competence is absent. Midterm assessment has not been passed.	F	40-0	

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

The final grade for the discipline  $(R_{\mathcal{A}})$  is calculated using the formula:

$$R$$
д =  $(R$ предв +  $R$ па $) / 2$ 

The final grade, calculated on a 100-point scale, is converted into a "passed – fail" system according to Table 6.

Rating on a 100-point scale	Assessment according to the system " passed - fail"	ECTS assessment
100-96		A
95-91		В
90-81		С
80-76	passed	D
75-71	Î	
70-66		E
65-61		
60-41	0.11	Fx
40-0	fail	F

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Head of the department of clinical engineering and artificial intelligence technologies



S.A. Bezborodov