

The procedure for certification in practice
"Industrial practice: surgical practice"
for students in the educational program
specialty
in specialty/direction of training 05.31.01 General Medicine,
focus (profile) General Medicine,
Full-time form of education
for the 2023-2024 academic year

To assess the quality of solving practical problems and the student's mastery of the necessary competencies at the end of the practical training, an intermediate certification is carried out with a grade assigned to the student's record book using a 5-point system based on the final rating for practical training (*Rprak*).

Rprak - final practice rating - this is an individual assessment of the practice in points, taking into account the intermediate certification, the maximum number of points is 100, the minimum number of points at which the practice can be credited is 61 (see Table 1).

Table 1. Final grade for practice

Score on a 100-point system	Grading according to the pass/fail system	Rating using a 5-point system		ECTS score
96-100	passed	5	Great	A
91-95	passed			B
81-90	passed	4	Fine	C
76-80	passed			D
61-75	passed	3	satisfactorily	E
41-60	not accepted	2	unsatisfactory	Fx
0-40	not accepted			F

The final practice rating (*R practice*) is calculated using the following formula:

$$Rprak = (Rpraksr + Rpa) / 2$$

Where

Rprak – final rating for practice

Rpraksr – average practice rating – individual assessment of mastering the practice in points ;

Rpa – intermediate certification rating.

The average practice rating is calculated using the following formula:

$$Rpraxr = Rpred8$$

Where

Rpred8 – preliminary rating for practice in the 8th semester

The preliminary practice rating in the 8th semester is calculated using the following formula:

$$Rpre8 = Rtek + Rb - Rsh$$

Where

Rtek – current rating;

Rb – bonus rating;

Ruu – rating of fines.

Calculation algorithm

1. Methodology for calculating the average score of current academic performance (*R tech*)

During skill development classes, the teacher evaluates the student's work on a 5-point scale. From these marks, the arithmetic mean is calculated, which is then converted to a 100-point scale (Table 2). The minimum score to be counted is 61.

Table 2. Conversion of the student's current academic performance average 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		

2. Calculation of the preliminary rating for practice in the eighth semester (*Rpre8*)

The student's preliminary rating for practice in the 8th semester is calculated based on the current rating, taking into account bonuses and fines, which are calculated according to the criteria (see Table 3):

$$Rpre8 = Rtek + Rb - Rsh$$

Table 3. Bonuses and penalties by practice

<u>Bonuses</u>	Name	Points
UIRS	Educational and research work in areas of practice	before + 5.0
NIRS	Certificate of participation in the department's SSS 1st degree	+ 5.0
	Certificate of participation in the department's SSS 2 degrees	+ 4.0
	Certificate of participation in the department's SSS 3 degrees	+ 3.0
	Certificate of participation in the department's SSS 4 degrees	+ 2.0
	Certificate of participation in the department's SSS 5 degrees	+ 1.0
<u>Fines</u>	Name	Points
Disciplinary	Absent a practical lesson without a valid reason	up to - 2.0
	Systematic lateness to practical classes	up to - 1.0
	Providing reporting documentation not on time	up to - 1.0
	Violation of labor safety rules	up to - 2.0
	Failure to comply with internal regulations of health care facilities	

Causing material damage	Damage to equipment and property	- 2.0
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3. Calculation of points for intermediate certification in practice (*Rpa*)

Interim certification includes:

- assessment of mastery of practical skills, carried out by testing skills and assessing reporting documentation on practice;
- interview on control questions.

The quality of the reporting documents submitted by the student (practice diary and report on the results of individual assignments) is assessed by the teacher in accordance with the criteria (see Table 4). The minimum score to be counted is 61.

Table 4. Criteria for assessing reports submitted by the student
practice documents

Criteria for evaluation	Rating score
The report on the results of individual assignments was not submitted. The practice diary was not submitted.	0-20
The report on the results of individual assignments was submitted, but was completed with gross errors in content and design. The practice diary was submitted, but has serious errors in content and design.	21-40
The report on the results of individual assignments was submitted, but it was completed with significant errors in content, while the comments on the format are minor. The practice diary was submitted, but has significant errors in content, while the comments on the design are minor.	41-60
The report on the results of completing individual assignments was submitted, 2-3 minor errors in content were made, and the comments on the format were minor. The practice diary has been submitted, has 2-3 minor content errors, minor errors, and minor comments on the design.	60-80
The report on the results of individual assignments was submitted, completed without errors in content, comments on the format are minor or absent. The practice diary has been submitted, has no content errors, and minor or no comments on formatting.	81-100

Table 5. Criteria for assessing the results of defending a report based on the results of completing individual tasks

Response characteristics	ECTS score	Points in BRS	Level of formation competence in practice	Rating on a 5-point scale

A complete, detailed answer to the research questions posed is given, a body 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 an object is demonstrated against the background of understanding it in the system of biological science and interdisciplinary connections. The report on the results of completing individual assignments is formulated in scientific terms, presented in literary language, logical, evidence-based, and demonstrates the student's author's position. The student demonstrates an advanced high advanced level of competence development	A	100–96	HIGH	5 (5+)
A complete, detailed answer to the research questions 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, reflecting 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 report on the results of completing individual tasks is presented 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.	IN	95–91		5
A complete, detailed answer to the research questions posed is given; the ability to identify essential and non-essential features and cause-and-effect relationships is demonstrated. The report on the results of completing individual tasks is clearly structured, logical, and 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 increased level of competence development.	WITH	90–81	AVERAGE	4
A complete, detailed answer to the research questions is given, the ability to identify essential and non-essential features and cause-and-effect relationships is demonstrated. The report on the results of completing individual tasks is clearly structured, logical, and presented in scientific terms. However, minor errors 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 not sufficiently consistent answer to the research questions 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 report on the results of completing individual tasks is logical and presented 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	SHORT	3 (3+)
An insufficiently complete and insufficiently detailed answer to the research questions was given. The logic and consistency of presentation have violations. 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 by proving its main points with examples only with the help of the teacher. Drawing up a report based on the results of individual tasks requires amendments and corrections. The student demonstrates an extremely low level of competence development.	E	70-66		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 report based on the results of individual tasks does not contain conclusions. The ability to reveal specific manifestations of generalized knowledge is not shown. Drawing up a report based on the results of individual tasks requires amendments and corrections. The student demonstrates a threshold level of competence development.	E	65-61	THRESHOLD	3 (3-)
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 biological concepts, theories, phenomena with other objects within the framework of practice. The report on the results of individual tasks lacks conclusions, specificity and evidence of presentation. The speech during the oral defense 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 within the framework of practice. There is no competence.	Fx	60-41	COMPETENCE ABSENT	2
Answers to basic research questions have not been received. The student does not demonstrate indicators of achieving the formation of competencies. There is no competence.	F	40-0		2

The final score of a student's interim certification for practice (*Rpa*) is calculated as the arithmetic average of the points received for the reporting documents submitted by the student (practice diary and report on the results of individual assignments), and the points received for defending the report on the results of individual assignments.

Considered at the meeting of the Department of Hospital Surgery on May 18, 2023, protocol No. 10

Head of the department



S.S.Maskin