Attestation procedure
in the discipline
"Methods of pharmaceutical analysis"
for students of the educational program
of the specialty / area of training 33.05.01 Pharmacy,
profile Pharmacy
(specialist's level),
form of study full-time
for the 2023-2024 academic year

Rc – rating score for the course is calculated based on final test points, marks given for coursework where the maximum of points is 100, with the minimum of points for the student to be passed in the course being 61 (see Table 1).

Rc **is calculated according to the formula:**

$$Rc = (Rmp + Rft) / 2$$

where Rc – rating score for the course

Rft – rating score for final test
Rmp – mean preliminary rating score (2 semesters) is the rating score for two semesters prior to the final test.

Table 1. Final mark for the course

Points on 0-100 scale	Pass/fail	Five-mark grading system		ECTS
96-100	pass	5	outstanding	A
91-95	pass	5	excellent	B
81-90	pass	4	good	C
76-80	pass	4	fair	D
61-75	pass	3	satisfactory	E
0-61	fail	2	poor	F

The mean preliminary rating score is calculated as follows:

$$Rmp = (Rp1 + Rp2) / 2$$

where
$Rp1$ – preliminary rating score for the first semester
$Rp2$ – preliminary rating score for the second semester

Preliminary rating score for the first and second semester is calculated as follows:

Rp = Rmg + bonus points – malus points;

Rmg – mean grade in the first or second semester calculated as the arithmetic mean for all the marks gained during the semester; marks are given on a scale from one to five.

At the end of the semester the teacher calculates the mean grade and translates the value on the 0-

100 scale (see table 2). To this value bonus points are added and malus points are subtracted.

Table 2. Translating mean grade into rating points

Mean grade on one-to-five scale	Rating points on 0-100 scale	Mean grade on one-to-five scale	Rating points on 0-100 scale	Mean grade on one-to-five scale	Rating points on 0-100 scale
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		

1. Calculating rating score for final test (Rft):

At the department, the discipline: "Methods of pharmacopoeial analysis" is studied in the IV-VI semesters;

The discipline exam is conducted during the summer examination session in the form of interview on theoretical issues and case studies.

The exam is conducted with the use of exam cards drawn up on the basis of the program of the discipline.

The questions cover all sections of the discipline. All exam cards are equivalent in volume and complexity. Exam cards are approved at a meeting of the Department and the Council of the Faculty of Pharmacy.

Table 3. Criteria for evaluation of student performanceon final test

Student performance	ECTS	Points on 0-100 scale	Competence formation	Mark on 1-5 scale
96 – 100% correct answers, which comprises 24 questions out of 25. High advanced competence level	A	100–96	high	5 (5+)
91-95% correct answers, which comprises 23-24 questions. High competence level.	B	95–91		5
81-90% correct answers, which comprises 21-22 questions. Medium high competence level.	C	90–81	low medium	4
76-80% correct answers, which comprises 19-20 questions. Medium sufficient competence level.	D	80-76		4 (4-)
71-75% correct answers, which comprises 18 questions. Low competence level	E	75-71		3 (3+)
66-70% correct answers, which comprises 17 questions. Extremely low competence level.	E	70-66	Extremely low	3
61-65% correct answers, which comprises 16 questions. Threshold competence level.	E	65-61	threshold	3 (3-)
41-60% correct answers, which comprises 11-15 questions. No competence developed.	Fx	60-41	absent	2

2. Bonus and malus points

Bonus points can raise the rating score of a student while malus pointsdecrease it. They are given according to Table 4.

Bonus points	Passing concluding tests according to the study plan, with excellent and good marks	+ 2,0 (for each concluding test)
Malus points	Failing to do home assignments (over30%)	- 5,0 from rating score
	Writing concluding tests later than the designated day, without a valid excuse, or re-taking the concluding test having failed it before	Each part of the concluding test is given 3 at most (on 1-5 scale)

Considered at the meeting of the department of Pharmaceutical and Toxicological Chemistry "27" may 2023, protocol No9

Head of the department   Ozerov A.A.