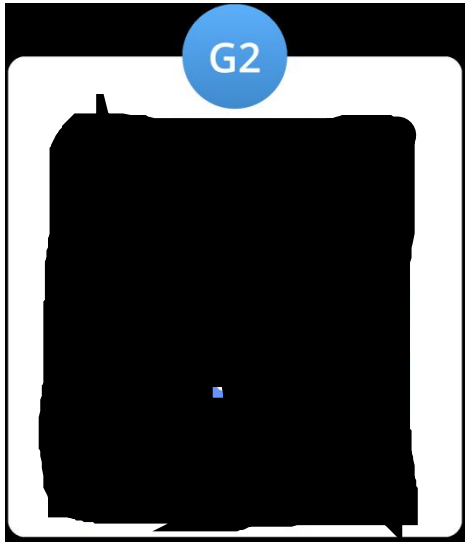
General and Bioorganic Chemistry

General Medicine, profile Practical Medicine



https://t.me/chemistry_rsmu



https://rsmu.ru/structure/edu-dept/iphmch/structure/chem-dept/about

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Contents

The program of the first semester includes three units

Unit 1 — General chemistry
Unit 2 — Equilibria in aqueous solutions of electrolytes.
Unit 3 — Organic chemistry

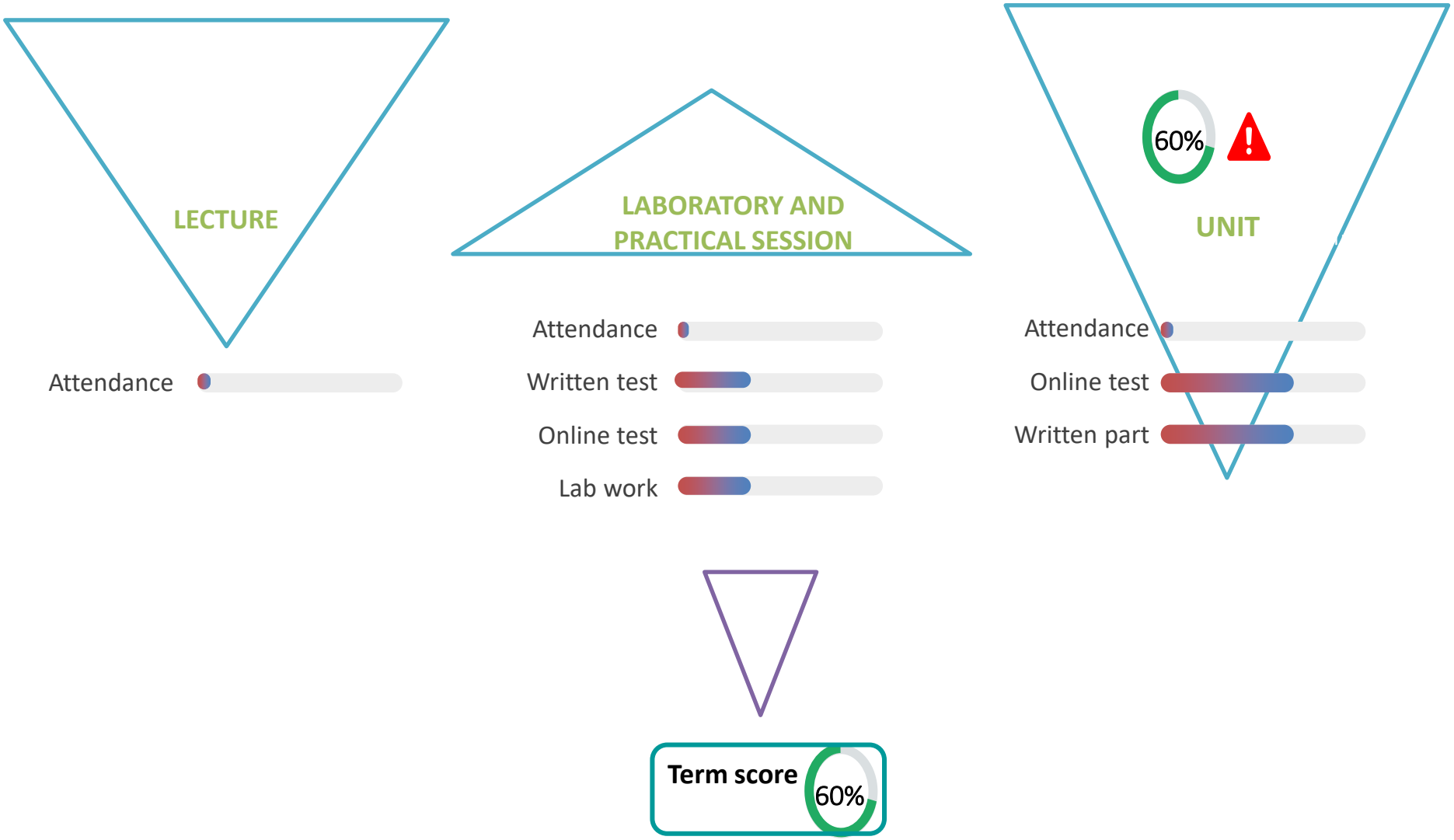
1st semester concludes with the credit

The program of the second semester includes three units

Unit 4 — Poly- and heterofunctional compounds, carbohydrates, nucleotides and nucleic acids
Unit 5 —Lipids, α-amino acids, peptides and proteins.
Unit 6 —Chemistry of organic nanosystems

2st semester concludes with final exam

Rating Score Calculation



Rating Score Calculation

Maximum for the course

1000 points

700 points

300 points

Laboratory & practical sessions

Units:

- ✓ **Online test**
- ✓ **Written part**



- UNITS 700 points

Laboratory & practical sessions

- 300 points

autumn term

3 Units

12 current tests

spring term

3 Units

11 current test

TOTAL

6 Units

23 current tests

- L

One **current test**

300/23 = *14*

points

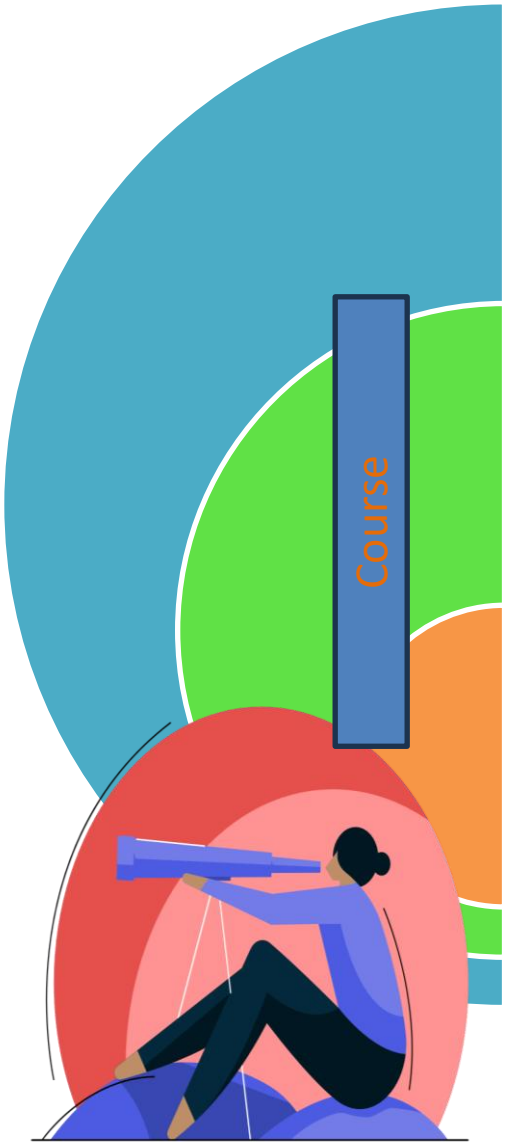
- U

One **Unit**

700/6 = *116,67*

points

Rating Score Calculation



GENERAL RULES

- **Grade 5 – maximum**
- **Grade 4 - 2/3 of the maximum score**
- **Grade*3* – 1/3 of the maximum score**
- ***Not passed* - 0**

Current test– Laboratory & practical sessions:

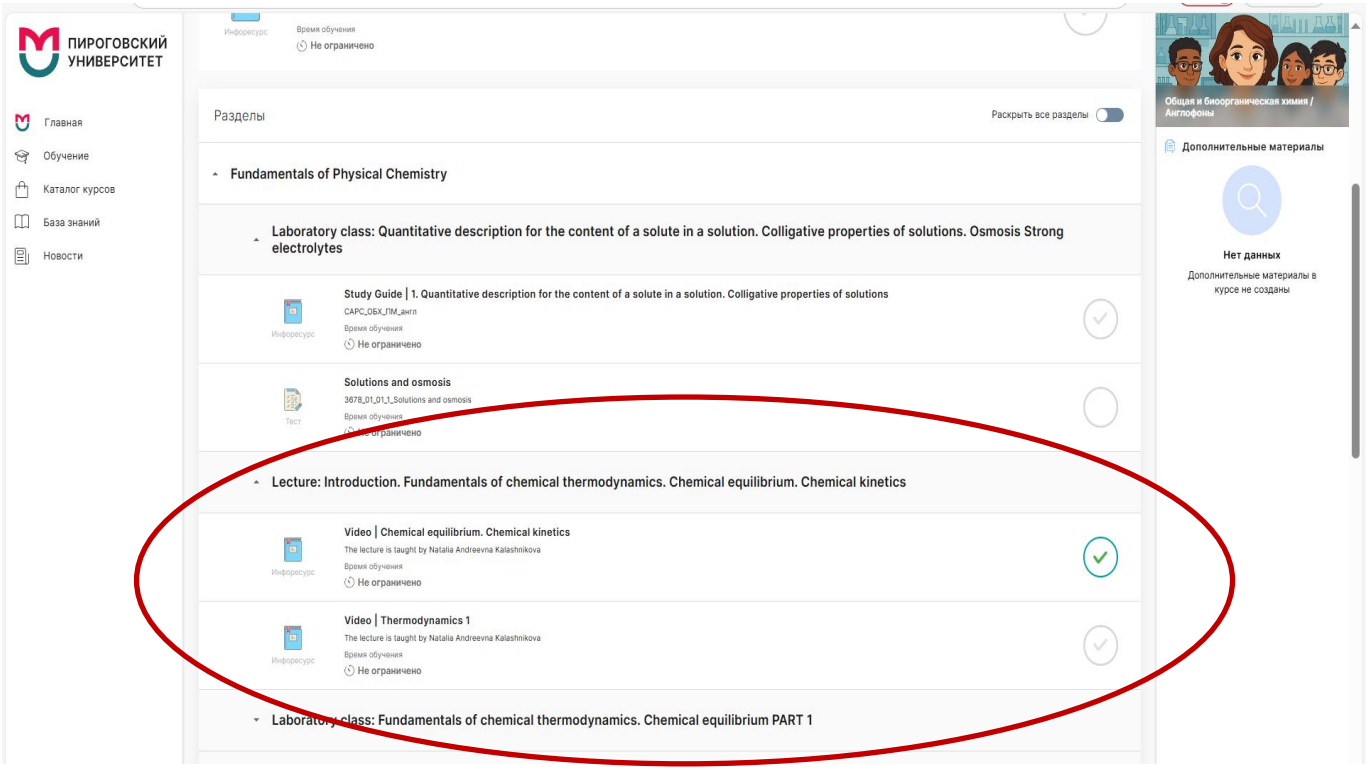
- *Grade 5* – **14** points
- *Grade 4* – 13 x 2/3 = 8.67 ≈ **9**
- Grade 3 – 13 x 1/3 = 4,33 ≈ **5**

UNIT

- *Grade 5* – 116,67 points ≈ **117**
- *Grade 4* – 116,67 x 2/3 = 77.78 ≈ **78**
- *Grade 3* – 116,67 x 1/3 = 38,89 ≈ **39**

Online Lectures

- Study video lecture in your personal account in lk.rsmu.ru. You can study the lecture according the timetable or at any convenient time
- **You don’t receive any points for studying lectures**



Laboratory and practical sessions

Presence control:

- 1 point for the attendance at the class

- **Attendance cannot be worked off**. If a student misses a class, 1 point is not received for attendance

- If a student has missed 3 or more classes in a row, he is not allowed to take classes without a permission from the dean's office

Current control (written test or laboratory work):

- **Current control cannot be worked off**. If a student misses a class for a valid reason* he can retake the current control once within 1 month from the date of its holding

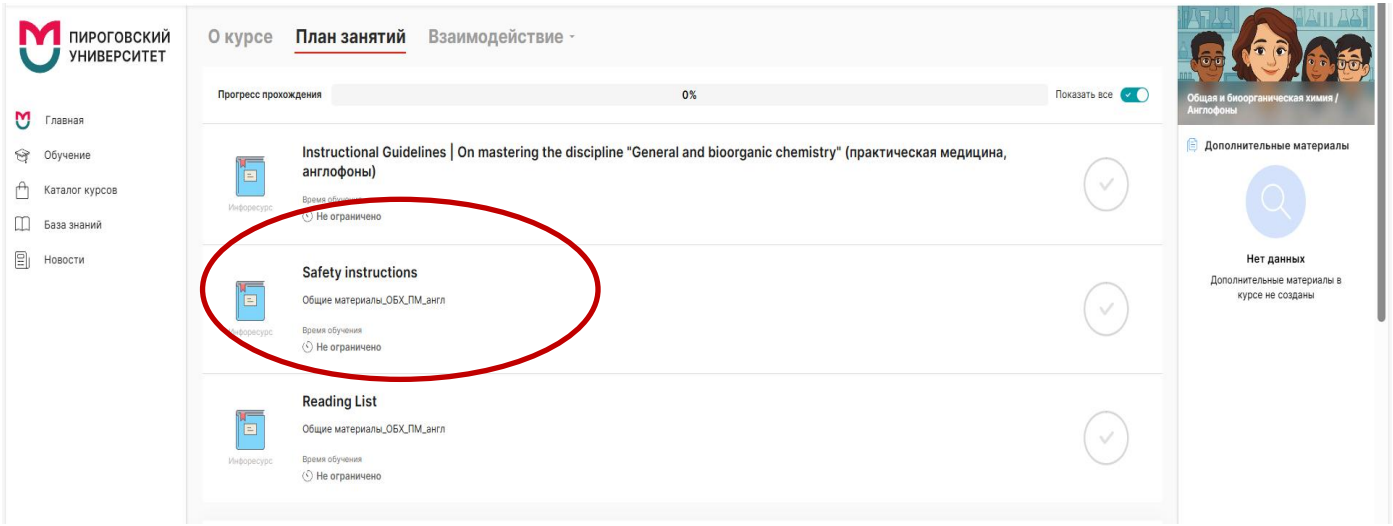
* Valid reason - an illness confirmed by a medical certificate submitted to the dean office

Laboratory work

- **A student without a white coat is not allowed to do the lab work!**
- Students must tie back long hair
- No food and drink in the lab rooms
- **Students must keep clean the workspace**
- **Read carefully the safety instructions in the personal account in ks.rsmu.ru**

- **The lab reports must be done carefully**
- **Max grade for the lab work - 5:**

Lab report in the laboratory notebook – grade 3
Defending laboratory practicals – grade 2



Paper tests (writing part)

- **Max grade 5**.
- Time for the test 25 min
- **Any devices (phones, laptops, headphones, books, workbooks are prohibited** (the student can use only non-programmable calculator and a sheet of paper during the test).
- **Paper test as well as laboratory works cannot be worked off without a valid reason** (an illness confirmed by a medical certificate submitted to the dean office)



Unit test (COLLOQUIUM)

- **Attendance – 1 point** (if the student is present on the day of the test)
- The attendance can't be worked out
- **Computer test – max 30 points.** The time for the test 45 minutes. **The students run the tests only on the computers in the university's computer labs. Any other devices (phones, laptops, headphones, books, workbooks are prohibited** (the student can use only non-programmable calculator and a sheet of paper during the test).
- **Writing part – max 20 points.** The time for the writing part 45 minutes.
- **If a student failed the Unit test, he/she can retake it ONCE within 1 month from the date of its holding**
- If a student missed a class for a valid reason* he can retake the current control once within 1 month from the date of its holding and one more time if he/she failed

Written part

max **20** points
117 rating points – **grade 5.**
78 rating points – **grade 4**
39 rating points – **grade 3.**

cannot be worked off without a valid reason

Online test

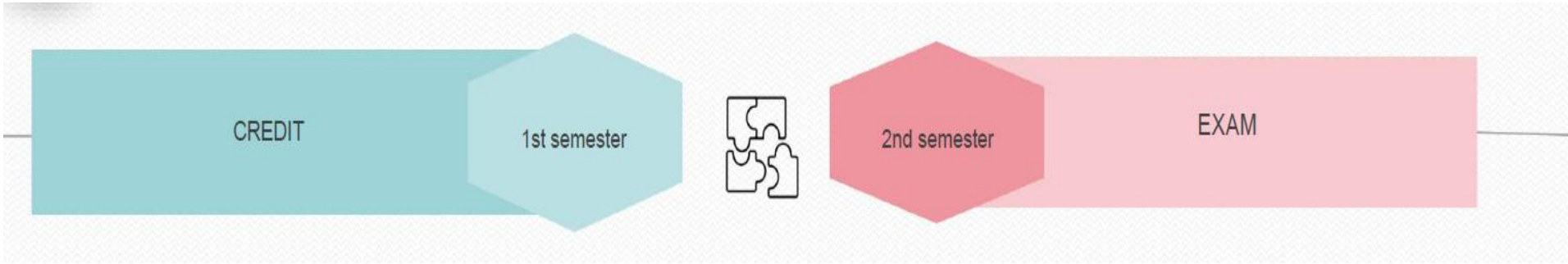
max **30** points
117 rating points – **grade 5.**
78 rating points – **grade 4**
39 rating points – **grade 3.**

60%

The sum of rating points

- **45 points (90%) – grade 5**
- **38 points (75%) – grade 4**
- **30 баллов (60%) – grade 3**

Credit



- ✓ **The credit is received if the student has a semester rating of <u>60% or higher</u> (according to the point-rating system) and <u>all Unit tests are passed</u>** (you can check his rating in his personal account).
- ✓ It is not possible to improve the rating for a course after the end of the semester.
- ✓ If a student's semester rating is below 60% or he/she has not passed any Unit test, he **must pass** a Credit test at the end of the semester. The students are provided 3 attempts to get the Credit:

The Credit test includes Online test (max 30 points) and written part (max 20 points). To get the credit student must get at least 60% (12 points for the written part and 18 points for the online test)

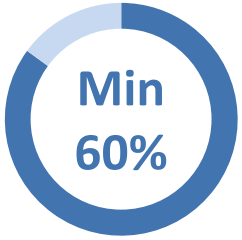
Points received for the Credit test are not added to the overall rating of the discipline.

Exam

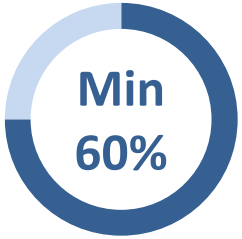
- ✓ **The exam is passed automatically (ABTOMAT) if the student has a final course rating of 60% or higher (according to the point-rating system) and all Unit tests are passed**

90%+ - «grade 5»; 75-89% - «grade 4»; 60-74% - «grade 3»; 0-59% - «not passed»; If the rating is below 60%, the student must take the exam. A student can refuse the grade if he/she is not satisfied with the grade and take the exam. **In this case, the rating will not be taken into account**.

Exam includes:



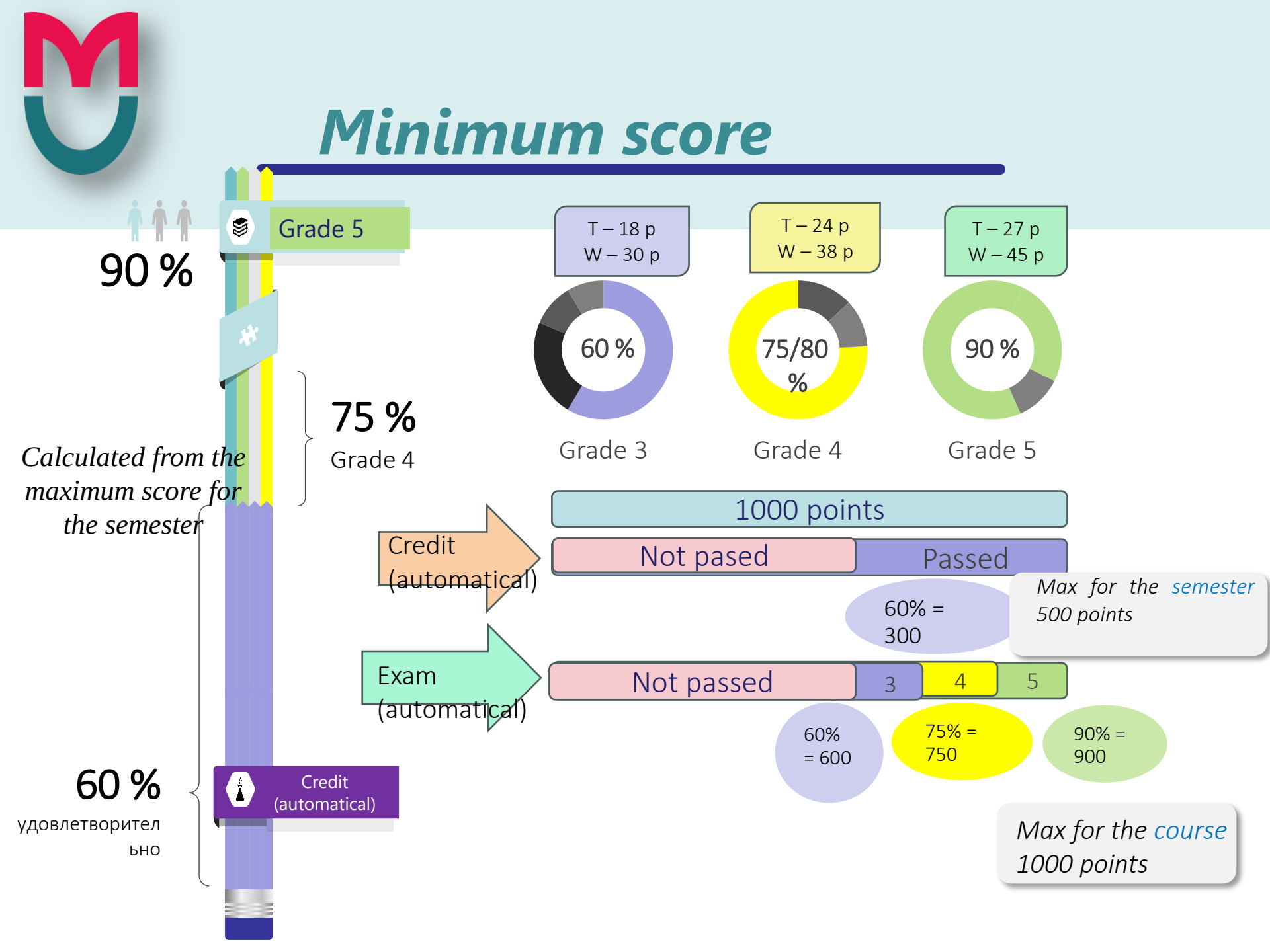
Written part
50 points



Online test
30 points

- ❖ The exam is passed if the student scores **18 points or higher (60-100%) in the test** and **30 points or higher (60-100%) in the written part**. If the result for any of the two types of examination control is below 60% then the exam is failed
- ❖ Time for the test 45 min, time for the written part 80 min

Minimum score



Preparation for the classes



- **In the students personal account:**
- study the video lecture
- study the teaching materials
- Take the self-control online test

- **Written part:**
- read the corresponding Chapter in the Textbook
- Complete written homework assignments to prepare for the class

Unit test:

- Complete the unit card example
- Take the self-control tests for all topics of the Unit to prepare for the Unit online test

- **Laboratory work**
- Study the lab work procedure
- Learn the safety instructions
- Write down the lab report