

**DIRECTIONS FOR TUITION OF PRACTICAL EXERCISES  
AND CONDITIONS FOR GETTING CREDITS  
FROM MEDICAL BIOCHEMISTRY 1 FOR GENERAL  
MEDICINE and MEDICAL BIOCHEMISTRY 1 FOR  
DENTISTRY**

**Academic year 2024/2025**

**Students are required:**

1. To be on practical exercises **on time**
2. To bring white coat, a **pen**, and to **switch off** and take off **mobile phones**
3. **To prepare for practical exercise according to the programme**
4. To bring **protocol book** or a protocol sheet printed from the department's webpage. To make preparation for practical part according to prescribed literature.
5. After completing the practical part students has to make order at their working place.
6. To complete protocol (calculations, conclusions). The teacher will confirm the completion of the practical exercise **by signing the protocol**.
7. **It is prohibited to bring coats, jackets into the laboratory**. These items should be stored in the dressing room.

For completion the course Medical biochemistry 1 student is obliged to **attend all practical exercises** except of those which fall on public holiday, Dean's day or Rectors' free days. Students are also excused from practical exercises during their dissection week.

In case that student cannot attend practical exercise due to illness or serious family reasons, **missed practical exercises has to be compensated during compensatory week**.

During semester, student has to attend **minimum 8 out of 12 practical exercises**. This means that a **student can compensate maximum 4 practical exercises** including exercises missed due to holiday, dissection, Dean's and Rector's free days.

To get credits for the subject **Medical biochemistry 1** or **Medical biochemistry 1 for dentistry**, students are required:

- **to attend all practical exercises**
- **to successfully pass two control tests** during winter semester:
  - the 1<sup>st</sup> control test will be written on the 7<sup>th</sup> week of winter semester at the beginning of practical exercises
  - the 2<sup>nd</sup> control test will be written on 13<sup>th</sup> week (credit week) in winter semester
- in case of absence due to health or serious family reasons, student will receive compensatory date
- the final evaluation (mark) will depend on the results of both control tests
- information about the test's form (number of questions, type of questions, time for writing), classification scale will be published 3 weeks before the test
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**Content of the 1<sup>st</sup> control test:**

- energy rich compounds, membrane transport, principles of regulation, synthesis of ATP, Krebs cycle, glycolysis, gluconeogenesis, metabolism of glycogen, regulation of carbohydrate metabolism

**Content of the 2<sup>nd</sup> control test:**

- acetyl-CoA, ketone bodies, metabolism of fatty acids and lipids, lipoproteins and their functions, metabolism of amino acids, ammonia detoxification, urea cycle, kidneys and their role in elimination of waste products