**BIOCHEMISTRY WITH ELEMENTS OF CHEMISTRY**

**English Division – Medical Faculty – I year**

**Winter semester - academic year 2022/2023**

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| **LABORATORIES SCHEDULE** |
| 1. **21.10.2022**
 | **Principles of the work in a laboratory and safety instructions. Solutions – composition of body fluids.** |
| 1. **28.10.2022**
 | **Measurement errors. TEST I** |
| 1. **04.11.2022**
 | **Reliability of experimental results.** |
| 1. **18.11.2022**
 | **Kinetics of enzymatic reaction, part 1: Km and Vmax determination; effects of inhibitors on reaction course.** |
| 1. **25.11.2022**
 | **Kinetics of enzymatic reaction, part 2: Km and Vmax determination; effects of inhibitors on reaction course.** |
| 1. **02.12.2022**
 | **Kinetics of enzymatic reaction, part 3: effect of environmental conditions on reaction course. TEST II** |
| 1. **09.12.2022**
 | **Systemic buffers. Blood pH, acidosis, alkalosis.** |
| 1. **16.12.2022**
 | **Amino acids – connections between amino acids composition and protein properties and function. TEST III** |
| **13.01.2023** | **Repetition of laboratories uncredited in winter semester.** **Second term of tests I, II and III** |
| **20.01.2023** | **Third term of tests I, II and III** |

**Lectures**

**Lectures will be held on Teams platform on Monday 7.30 – 9.00.**