

**Study control - written test from Medical Biophysics  
for Academic year 2023/2024:**

A) for **General Medicine** the written test (5 questions) will take place in the 9<sup>th</sup> week of the semester **on 9<sup>th</sup> and 10<sup>th</sup> of April 2024 as follows:**

**A.) Groups 1 - 7 on 9<sup>th</sup> April 2024 (Tuesday) at 11<sup>15</sup> a.m. in Aula**

**B.) Groups 8 - 15 on 10<sup>th</sup> April 2024 (Wednesday) at 8<sup>00</sup> a.m. in Aula**

Due to the limited capacity of the lecture halls it is required to follow this schedule.

Topics of the lectures on biophysics for students of **general medicine** for study control:

1. Biophysics in Medicine
2. Structure of matter
3. Absorption of electromagnetic radiation
4. Pulse oximetry
5. Nuclear radiation in medicine
6. Ionizing radiation and radiotherapy
7. Magnetic resonance imaging
8. Nuclear magnetic resonance in medicine
9. X rays – the nature and physical properties
10. Conventional radiography and CT
11. Ultrasound – physical characteristics and generation
12. Medical application of ultrasound

The seminar regarding the permanent study check results will be held during practical exercise in the week 10. (15.4.2024 – 19.4.2024).

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head of department