

**Study control - written test from Medical Biophysics
for Academic year 2024/2025:**

A) for **General Medicine** the written test (5 questions) will take place in the 7th week of the semester **on 25th and 26th of March 2025 as follows:**

A.) Groups 1 - 5 on 25th March 2025 (Tuesday) at 11¹⁵ a.m. in Aula

B.) Groups 6 - 13 on 26th March 2025 (Wednesday) at 11⁰⁰ 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. Positron emission tomography I.
8. Positron emission tomography II.
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 8. (31.3.2025 – 4.4.2025).

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