

# POZNAN UNIVERSITY OF MEDICAL SCIENCES

## INTRODUCTION TO MEDICAL SCIENCES

### Onsite course

September 15<sup>th</sup> – October 6<sup>th</sup>, 2025

### REGULATIONS

1. The aim of the course Introduction to Medical Sciences is to revise students' knowledge of Physics, Chemistry, and Biology and to introduce new subject areas, which will contribute to the medical studies that the newcomers undertake.
2. The course is mandatory for all the students accepted to the 1st year of the MD Program, DDS Program, taught in English at Poznan University of Medical Sciences (PUMS).
3. The course comprises three parts:
  - **INTRODUCTION TO BIOPHYSICS**
  - **INTRODUCTION TO MEDICAL BIOLOGY**
  - **INTRODUCTION TO MEDICAL CHEMISTRY**
4. The course consists of 17 classes (17 x 2h and 1 h for the test).
5. Classes will be held from **September 15<sup>th</sup> to October 6<sup>th</sup>, 2025**, according to the schedule available at: [www.ump.edu.pl/en](http://www.ump.edu.pl/en) or VISUS (LMS platform).
6. The course is mandatory. Absence needs to be formally excused. To receive the credit, student must apply to the Dean's office for permission to take a supplementary class or classes and will be charged additionally for it. However, the number of absences cannot exceed 50% of the course's hours. A student who misses more than 50% of classes will not be allowed to take supplementary classes and will not get credit.
7. During each course, students are obliged to take partial tests, which will be held during class. The Introduction to Medical Chemistry partial tests will be on **September 18<sup>th</sup>, September 24<sup>th</sup>, and October 1<sup>st</sup>**. The Introduction to Biophysics on **September 18<sup>th</sup>, September 24<sup>th</sup> and September 30<sup>th</sup>**. The Introduction to Medical Biology **September 19<sup>th</sup>, September 26<sup>th</sup> and October 1<sup>st</sup>**. The test will constitute 10 single-choice questions. The list of topics that cover each test will be available at VISUS (LMS platform). The cumulative score will be calculated for each course separately. Student may obtain a maximum of 30 points for each, Introduction to Medical Biology, Introduction to Medical Chemistry, and Introduction to Biophysics. Based on the results of the online Pre-Study Courses (Mastering Biophysics, Mastering Medical Biology, Mastering Medical Chemistry, *see Regulations of the Pre-Study Course, August 2025*), it will be possible to obtain a bonus (maximum 5 points), which will be added to the cumulative score for each course.

8. If the student fails to collect a cumulative score of 60% from three partial tests, a final test from all the material must be taken, which must be passed at 60%. **Student is not allowed to retake partial tests.**
9. Regulations of the final (Integrative) test in Introduction to Medical Sciences:
- the test will be held in the form of a test comprising 90 questions – 30 from each area of study: Biophysics, Medical Biology, and Medical Chemistry,
  - based on the results of the online Pre-Study Courses (Mastering Biophysics, Mastering Medical Biology, Mastering Medical Chemistry, *see Regulations of the Pre-Study Course, August 2025*), it will be possible to obtain a bonus (maximum 5 points), which will be added to the final test results of Introduction to Biophysics, Introduction to Medical Biology and Introduction to Medical Chemistry, respectively. The bonus points are added to all attempts.
  - in order to pass the final test, it is necessary to score at least 60% on each examination part (Biophysics, Medical Biology, Medical Chemistry).
10. The final test will take place **at the Computer Examination Center, Collegium Anatomicum, on October 6<sup>th</sup>, 2025 at 1:30 p.m.**
11. In case of failing the test or one of its parts, one retake is allowed. The retake will take place **at the Computer Examination Center, Poznan, Collegium Anatomicum, on October 14<sup>th</sup>, 2025 at 3:30 p.m.**
12. Passing the test from Introduction to Medical Sciences is mandatory to be admitted to the regular courses (e.g., Biophysics, Medical Chemistry, Biochemistry, Histology Embryology & Cell Biology).
13. During the course, students can take part in consultations in order to clarify doubts related to the material being presented. Consultations will be held during the office hours of the departments.

## **BOOKS**

Recommended textbooks:

### **Biology:**

Human Biology. Concepts and Current Issues, 8th Edition. 2017

Author: Michael D. Johnson

Access to Mastering plus e-text for 18 months

### **Chemistry:**

Fundamentals of General, Organic, and Biological Chemistry 8th Edition

Author: John McMurry

Access to Mastering plus e-text for 18 months

### **Physics:**

Physics: Principles with Application, Global Edition, 7th Edition,

Author: Douglas Giancoli,

Access to Mastering plus e-text for 18 months

## COORDINATORS

The course coordinators are:

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