

HISTOLOGY, EMBRYOLOGY & CELL BIOLOGY COURSE REGULATIONS

MEDICINE 2025/2026

GENERAL COURSE INFORMATION

1. The course continues for two semesters (67 h laboratories, 10 h seminars and 40 h lectures, 117 hours in total), according to Schedule. The current class schedule is made available to students by the dean's office on PUMS website and students are required to check the schedule on an ongoing basis.
2. The classes of Histology, embryology & cell biology course will be conducted both, onsite (practices, partially lectures) and online (lectures). The form of classes, as well as the course regulation, may be changed depending on recommendations and the ordinances of the Rector of University of Medical Sciences in Poznań.
3. The place for the practices (laboratories and seminars) is the lab room of the Histology and Embryology Department (6 Świącicki St.) as well as the lab and seminar rooms of the Cell Biology Department (5D Rokietnicka St.) and Medical Biology Center (8 Rokietnicka St.). The lectures, that are planned as online classes, will be conducted in a form of online classes with a use of LMS platform (VISUS) or MS Teams application (**recording online lectures is strictly forbidden**).

ATTENDANCE

4. The program is realized as the **mandatory** lectures and practices (laboratories and seminars). Absences from classes (both, laboratories and seminars) must be formally excused (a sick note or other excuse approved by the Dean's Office). If the number of absences **exceeds three** then the student is required to take the integrative test (even if he/she scores the required number – 102 - of points to pass). If the number of absences **exceeds six**, the student **can not get a credit of the course** and can not participate in the final exam.

AIMS OF THE COURSE

5. The aim of the laboratories and seminars is to become acquainted in practice with the structural organization of the cell, tissue and organs, with structure of cell organelles, with functional aspects of the structures, with interaction of cells and organelles including the mechanisms of their control. Practically students will analyse histological preparations using using NetImage software, light microscopes and moreover, micrographs, electron micrographs, diagrams. Students will also perform the cell biology techniques and discuss the cell biology issues.

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6. During the **histology laboratories** each student is obligated to have an exercise-book or a plain copy-book in which the color impressions from analyzed objects will be made. Each chapter in a student's exercise-book or copy-book should be accepted and signed by the assistant. The deadline for acquiring all of teacher assistant's confirmations (21 in total) **is two weeks before the practical test.**
7. During the **cell biology laboratories** student's task is to participate and perform the cell biology techniques. Students are obliged to bring their own medical coats for the cell biology laboratories. During the cell biology seminars students are obliged to prepare ppt presentation for assigned topic.

SCORING SYSTEM

8. The scoring system is used for continuous and objective evaluation of the student's progress in histology, embryology and cell biology:
 - before each histology laboratory and cell biology laboratory and seminar the student has to prove preliminary preparation. Knowledge will be tested in a **short test form (short quiz)**. For each laboratory/seminar the student can receive from 0 to 2 points. During the whole course, the student can gather from 0 to 50 points. All short test form are performed only once for the whole group of students. There is no possibility of an individual taking of these out of the accepted term.
 - each part of the course is to be passed on the basis of partial verification in a test form. All quizzes (block tests) are performed **only once** for the whole group of students. There is no possibility of an individual taking these quizzes out of the accepted term. During the course, **6 block tests** comprised of 40 questions will be conducted. Correct answer for one question gives 0,5 point. During the whole course, the student can gather from 0 to 170 points. The form of the partial and final tests is a "one answer test"

CREDIT

9. To get a credit student has to collect **102 points** (60% of 170 points) during whole course. If doesn't - then he/she must to pass the integrative tests. The integrative test could be repeated only once.
10. Skills in practice will be a subject of the practical test before the NBME (final) exam and will involve recognizing structures in a number of histological preparations and

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proving a level of familiarity with the rules of histological techniques and methods. The practical test can be oral or have the form of test. The practical test can be repeated twice only.

11. To be admitted to a practical test the student is obligated to:
 - a. have at least **102 points**
 - b. have an exercise- or copy-book with **assistant's confirmation** (21 in total)

NBME EXAM (FINAL)

12. To be admitted to the NBME exam (final) the student is obliged to:
 - a. have at least **102 points**
 - b. have an exercise- or copy-book with **teacher assistant's confirmation**
 - c. pass the **practical test**
13. The NBME exam will be conducted in Centrum Innowacyjnych Technik Kształcenia
14. In accordance with the guidelines of the Study Regulations for the year 2025/2026, the following grading scale is established:

91%-100 %	- very good/5.00
84%-90%	- better than good/4.50
76%-83%	- good/4.00
68%-75%	- fairly good/3.50
60%-67%	- satisfactory/3.00
0%-59%	- unsatisfactory/2.00
15. Student who fails the NBME (final) exam can repeat the test twice only, however the first exam retake will consist of another NBME-prepared exam. The second retake will be an internal exam.

RULES OF CLASSES

16. Rules of classes:
 - a. Each student takes assigned place by computer through whole course.

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- b. Eating, drinking and using any electronic equipment in the lab room is not allowed.
- c. Coats, jackets, rain coats and umbrellas should be left in the cloakroom.
- d. Recording and taking pictures of slides/preparations/presentations during practices and lectures is not allowed (copyright law).

17. In exercise-book or blank-copy book should be given following information:

- a. Student's name and surname
- b. Date, exercise number and theme
- c. Name of histological preparation with information about method of staining

18. If the teaching has to be carried out remotely (according to the Rector's regulation), the way of conducting practical histology and cell biology practices (laboratories and seminars), short quizzes, partial tests and the practical test can change. Classes and tests can be conducted using the following tools: MS Teams application, OpenOLAT platform, LMS platform or/and Google Forms application.

OFFICE HOURS

19. Consultations for students are available by appointment with the course coordinator. Please contact via email to arrange a meeting.