

Organization of Study in the Subject: Physiology 1

Winter Term, Academic Year 2026/2027

During the practical sessions, lectures and tests, use of mobile phone and other electronic communication devices is not allowed (except of special roles defined by a teacher).

Participation in practical sessions is mandatory; but student can miss one practical session without an obligation to replace it.

Student participates in practical sessions according to the time schedule. In justified cases, with the consent of the teacher, the student may attend the practical on another date, if it is possible for space reasons, but no more than once per semester.

In the winter term, student may miss a maximum of 3 practical exercises, which can be substituted in the replacement (14th) week, a maximum of 2 practical exercises in one day. The permission to substitute a higher number of missed practical exercises is within the competence of the subject guarantor. Only in exceptional cases and with the consent of the subject guarantor, it is possible to substitute missing practical exercises on another date determined by the subject guarantor, but no later than the end of the winter term examination period, i.e. by February 12, 2027. Replacement of missing practicals later than the end of week 14 (December 18, 2026) may be possible after extra payment.

Student should be theoretically prepared for the practicals. At the beginning of each practical session, the student has to pass successfully an entry test of 5 questions related to the theoretical background of the practicals (based on relevant chapters in compulsory literature: Ganong, Guyton; Lessons in Physiology (2016): Calkovska, Javorka, and materials from lectures) and tasks for the practical sessions (Javorka et al.: Medical Physiology, laboratory manual; supplementary study materials for practicals). Student is entitled to take part in the practical sessions after he/she reaches at least the lower limit – 3 correct answers (60%). If the student does not obtain the minimum 3 points from the entrance test, he/she may, with the teacher's consent, attend the practical session on another day of the relevant week, if the spatial possibilities of the workplace allow, or in replacement (14th) week (if this exercise is beyond the scope of 1 excused practical exercise).

Student prepares and presents 1 selected seminar topic according to the schedule of practicals and his/her choice. The required scope of the presentation is maximum 10 ppt slides, presentation duration from 5 to 7 minutes. Strict adherence to the topic is required. The presentation should primarily bring information beyond the scope of the lecture or recommended literature. If the teacher considers the quality of the presentation as insufficient, the student may be requested to revise it. If student does not present the selected topic on the appropriate practical, he/she has to present the presentation in the replacement week (week 14). In justified cases, the student can choose another, available topic from the list of seminar topics within the following weeks of the winter term. To avoid technical problems, student is asked to upload the ppt presentation on the USB key (alternatively, students delegate one person in the study group who will upload the presentations on USB).

Student prepares a record of the practical session in the form of a protocol, which will be available on the MS Teams platform of Department of Physiology before the relevant week of

the winter term. The student can fill out the practice protocol electronically on a laptop after downloading the file from the web, or in printed form, while the student himself/herself prints and brings the protocol form to the practical sessions. At the end of the practical session, the teacher checks and signs the protocol from the relevant week.

In winter term, student should successfully pass 2 credit tests (Physiology of blood, week 6, and Physiology of muscles and Physiology of nervous system and senses, week 13), with the lower limit 60% of correct answers in each test.

In the written testing (credit tests), the student has the right to refuse the assessment (it is then assessed as Fx) within 48 hours of the announcement of the result and to take the relevant credit test on an alternative date determined by the subject guarantor. The student has the opportunity to take the same credit test a maximum of 3 times in the winter semester.

The substitution of missing credit tests is possible in the replacement week (week 14). Only in exceptional cases and with the consent of the subject guarantor, it is possible to substitute missing tests on another date determined by the subject guarantor, but no later than the end of the winter term examination period, i.e. February 12, 2027. Replacements of missing credit tests later than the end of week 14 (December 18, 2026) may be possible after extra payment.

Requirements for obtaining credits from “Physiology 1”:

- active participation in practical exercises
- successful completion of both credit tests
- submission of all signed protocols from practicals from the winter term
- presentation of 1 seminar topic.

The final grade in “Physiology 1” is given according to the average score of both credit tests.