

MEDICAL PHYSIOLOGY STUDY AND EXAM REQUIREMENTS FOR MEDICAL STUDENTS (2023-2024 2nd semester)

Medical Physiology is taught in two courses: the mandatory Medical Physiology I. and II. course comprising of lectures and laboratory practice sessions, and the compulsory elective Medical Physiology Seminar I. and II courses comprising of a group and a whole class (joined) seminar session each week.

The students can change groups only with the permission and cooperation of the Foreign Students' Secretariat and the change must be registered in the Neptun. The students will be evaluated on the end semester exam (Medical Physiology I.), the comprehensive (final) exam (Medical Physiology II), and by seminar grades (Medical Physiology Seminar I. and II).

The detailed study material that is the basis for all evaluations is contained in the Learning Objectives made available for the students, the material is comprehensively discussed in the lectures, seminars and laboratory practice sessions. Recommended textbooks include: Guyton and Hall: Textbook of Medical Physiology, Ganong's Review of Medical Physiology, Linda S Costanzo: Physiology, but other sources may also be used that assist in learning the material included in the Learning Objectives.

Lectures

This semester the lectures are planned to be held on campus. Attendance of the lectures is highly recommended, the material of the lectures forms the base of the examinations, however, attendance of the lectures will not be checked. The slides of the lectures will be shared through Coospace and the departmental website as well.

Laboratory practical sessions

Attending the laboratory practice classes is compulsory. Students showing negligence during the semester concerning visiting the laboratory practice (more than 3 missed practical sessions) will not receive a signature, the semester will not be accepted and they will not be permitted to take the end semester exam. The practical sessions will begin on time. Late arrival (>10 min) is also considered as an absence. There is going to be a week in the practical schedule allowing to make up for an absence in the practical session for every student.

The laboratory practice sessions require individual or collective work. The schedule of the practical sessions can be found on the webpage of the Department. Students are expected

to come prepared to the practical sessions. At the beginning of the practical sessions teachers may check the preparedness of the students. Students must take notes concerning the laboratory work; these notes will be checked and signed (accepted) by the practical leader at the end of the session. Missing of the laboratory notes and getting the signature makes the practical void and hence also counts as an absence!

The practical teacher is authorized to deny the acceptance of the practical based on the negligence, unacceptable behaviour, or if the student fails to follow the instructions by the teachers, in such cases the practical session is void and counts as an absence.

In the second semester, there is one practical test on the urine tests. This test will be evaluated/scored on a 3-grade scale: failed (0 point), passed (1 point), good (2 points). In the last week of the semester, there is going to be a practical final exam comprising the material of both semesters. The practical final exam will be evaluated/scored on a 5-grade scale: failed (0 point), passed (2 points), accepted (3 points), good (4 points), excellent (6 points). Passing the practical test or the practical final exam is not obligatory for receiving the signature for the practice and to take the comprehensive exam. However, the maximum 8 points that can be earned will contribute 10% to the evaluation (grading) of the comprehensive exam (see details there). There is no possibility for repeating these tests even in case of an absence, and the test/practical final exam must be taken with the group practical teacher.

Seminars

The group seminars and the joined seminar class are going to be held on campus. Attending the group seminars is compulsory, more than 3 missed group seminars result in not getting the signature for the course resulting also in the loss of the credit points. Making up for a missed seminar is possible ONCE during the semester by attending seminar of another study group within the same week with the approval of both seminar teachers. Attending the joined seminars is also recommended but attendance is not checked similar to the lectures. The seminars begin on time, late arrival (>10 min) is also considered as an absence.

The weekly seminars are intended to discuss the topics presented in the lectures. The students are expected to be prepared and be active participants in the seminars with good background knowledge of the topics involved. The student performance on the seminar course will be evaluated on a 5-grade scale, the basis of this evaluation will be the performance on the THREE demonstrations, and any further written or oral examinations of the semester. Demonstrations will take place in the indicated study weeks (the 6th, the 10th and the 13th weeks – March 18-22, April 15-19, and May 6-10) in the time frame of the group seminar and

the practical, and the seminar teachers will examine the students based on the learning objectives of the indicated study material and evaluate them on a 5-grade scale. For successful completion of the course (gaining credits and a minimum passed (2) grade), the student MUST pass the FIRST and the SECOND demonstrations with at least passed (2) grades, furthermore, the average of the grades of the THREE demonstration MUST reach 2.0 as well. Being absent on the demonstration also counts as a failed demonstration. The failed (1) demonstration can be repeated once, ONLY on the following week with group seminar teacher. Demonstrations cannot be taken or repeated on the joined seminars. Those students who fail on two demonstrations and pass only on the repeated exams, may get a maximum accepted (3) grade. In case a student fails to earn the credits for the course due to failed demonstrations during the semester, the seminar credit points may be earned only by passing a single-occasion supervised seminar demonstration in front of an exam committee in the first week of the exam period.

Multiple choice question (MCQ) tests during the semester

In the weeks of the seminar course demonstrations – in the time of the joined seminar class (March 22, April 15, May 10), there will be 1-1 tests (24-24 MCQs, 30 min, 24-24 points). The rounded average of the two highest scoring tests will yield maximum 24 points that contribute 30% to the result of the comprehensive exam (see details there). In addition, the students scoring at least 60 points total on the three MCQ tests will be awarded with a one topic exemption bonus. This means that on the comprehensive exam, after selection of the three exam topics, the student can choose one of the topics to be automatically evaluated with maximum points.

Exam information

Warning!: Students caught cheating during the exams will be immediately excluded from the exam. The teachers will file a formal report on the misconduct of the student and initiate a disciplinary action.

Comprehensive exam (CE)

The CE is an oral exam starting on the date and at the location (if necessary in the online space) specified in the Neptun. In case of an online exam, technical details of the online exam will be provided through Coospace.

The oral exam will have two parts, attended by two examiners. First, there is an entry exam in which 2 learning objectives and 3 normal values are asked from the learning objectives and normal values marked as “essential knowledge”. Not being able to answer any of these questions will result in a failed exam immediately. The students taking the third exam in the semester or the last chance (6th) exam will select topics regardless the result of the entry exam. In the second part, three topics will be chosen either with topic cards or random number generators. After the provided preparation time, the student starts the exam, the examiners will guide the exam with questions. During the examination, the examiners may show images or ask to draw some graphs in accordance with the learning objectives. At the end of the response the examiners evaluate/score the performance on a 5-grade scale (excellent -15 points, good -12 points, accepted – 9 points, passed – 6 points), if the grade is failed the exam is finished with a failed result, otherwise the exam continues with the next topic. At the end of the exam the total exam points are calculated by adding the maximum 8 points earned in the practicals, the maximum 24 points earned in the MCQs, the 3 points of the entrance exam, and the maximum 45 points earned in the oral exam yielding maximum 80 points. The grades will be awarded based on the following point table:

Grades:

18-50 points = passed (2)

51-58 points = accepted (3)

59-66 points = good (4)

67-80 points = excellent (5)

If someone desires to improve his/her mark, the faculty rules concerning “improving the result of a successful exam” apply.

Students who registered on the Neptun but did not show up on the exam, can justify their absence in order to get back the lost exam chance IF 1) they were admitted to a hospital as an inpatient on the day of the exam or 2) after the closure of the Neptun exam administration of the respective exam date developed an acute medical condition requiring immediate health care, or 3) due to a technical problem the online exam could not be attended. The documentation from the health care providers should be submitted for inspection (in person or attached to an email) to the departmental educational advisor not later than in the first case three workdays after released from the hospital or in the second case three workdays after the missed exam date.

End semester exam (ESE) exam course

The ESE is an oral exam starting on the date and at the location (if necessary in the online space) specified in the Neptun. In case of an online exam, technical details of the online exam will be provided through Coospace.

The oral exam will have two parts, attended by two examiners. First, there is an entry exam in which 2 learning objectives and 3 normal values are asked from the learning objectives and normal values marked as “essential knowledge”. Not being able to answer any of these questions will result in a failed exam immediately. The students taking the third exam in the semester or the last chance (6th) exam will select topic regardless the result of the entry exam. In the second part, three topics will be chosen either with topic cards or random number generators. After the provided preparation time, the student starts the exam, the examiners will guide the exam with questions. During the examination, the examiners may show images or ask to draw some graphs in accordance with the learning objectives. At the end of the response the examiners evaluate/score the performance on a 5-grade scale (excellent -15 points, good -12 points, accepted – 9 points, passed – 6 points), if the grade is failed the exam is finished with a failed result, otherwise the exam continues with the next topic. At the end of the exam the total exam points are calculated by adding the maximum 32 points earned in the first semester, the 3 points of the entrance exam, and the maximum 45 points earned in the oral exam yielding maximum 80 points. The grades will be awarded based on the following point table:

Grades:

18-50 points = passed (2)

51-58 points = accepted (3)

59-66 points = good (4)

67-80 points = excellent (5)

If someone desires to improve his/her mark, the faculty rules concerning “improving the result of a successful exam” apply.

Students who registered on the Neptun but did not show up on the exam, can justify their absence in order to get back the lost exam chance IF 1) they were admitted to a hospital as an inpatient on the day of the exam or 2) after the closure of the Neptun exam administration of the respective exam date developed an acute medical condition requiring immediate health care, or 3) due to a technical problem the online exam could not be

attended. The documentation from the health care providers should be submitted for inspection (in person or attached to an email) to the departmental educational advisor not later than in the first case three workdays after released from the hospital or in the second case three workdays after the missed exam date.

Szeged, 2024. February 12.

prof. Sáry Gyula
departmental chairman