



Department of Human Physiology and Pathophysiology

Course Regulations for **Pathophysiology**

**Medical Degree Programme, School of Medicine, Collegium Medicum,
University of Warmia and Mazury in Olsztyn**

1. General Provisions

1.1 The course is delivered by the Department of Human Physiology and Pathophysiology.

1.2 Staff responsible for course delivery:

- a. Head of Department: prof. Mariusz Majewski, DVM, PhD
- b. Course Coordinator: Łukasz Jaśkiewicz, MD, PhD, lukasz.jaskiewicz@uwm.edu.pl, (89) 524 53 04
- c. Staff responsible for the individual types of teaching sessions, as specified in the timetable:

- LECTURES

- prof. Anna Doboszyńska, MD, PhD
- prof. Tomasz Stompór, MD, PhD
- Natalia Dowgiałło-Gornowicz, MD, PhD, prof. UWM
- Jolanta Kiewisz, M.Sc, PhD, DSc, prof. UWM
- Agnieszka Skowrońska, DVM, PhD, DSc, prof. UWM
- Wojciech Matuszewski, MD, PhD

- SEMINARS

- Norbert Kwella, MD, PhD
- Bernard Kordas, DVM
- Jakub Ruść, MD

- PRACTICAL CLASSES

- Norbert Kwella, MD, PhD
- Bernard Kordas, DVM
- Jakub Ruść, MD

1.3 The venues, dates, times and topics of the individual types of classes and assessments are specified in the study plan, course syllabus, timetable and schedule of class topics, which are available on the website of the Department of Human Physiology and Pathophysiology.

1.4 In the event of an epidemic threat, classes may be delivered wholly or partly online via MS Teams, Moodle or other platforms approved by the University.





2. Compulsory Course Components:

2.1 The course comprises the following compulsory components:

- a. lectures,
- b. practical classes (the study of pathophysiological mechanisms through clinical cases, conducted in groups of 10 students),
- c. seminars (the study of mechanisms in general and clinical pathophysiology, conducted in groups of 20–30 students).

3. Rules Governing Participation in Lectures, Practical Classes and Seminars

- a. The use of electronic devices that enable remote communication or other audiovisual equipment is prohibited during lectures, practical classes and seminars. Audio recording, filming and photography are also prohibited.
- b. During lectures, practical classes and seminars, each student is responsible for any property entrusted to them.
- c. Students must follow the instructions of the instructor.
- d. Eating and drinking are prohibited during lectures, practical classes and seminars.
- e. Clean indoor footwear must be worn in rooms used for classes. Students must change out of their outdoor footwear before entering.
- f. Students must prepare for lectures, practical classes and seminars using the prescribed textbooks and participate actively in practical classes and seminars.

4. Attendance Requirements, Excused Absences and Make-up Arrangements

4.1 Attendance at all lectures, practical classes and seminars is compulsory.

4.2 All absences must be duly excused.

4.3 A maximum of **two absences** in total from practical classes, tests, seminars, and lectures is permitted per semester. Each additional absence constitutes grounds for removal from the list of students attending classes in “Pathophysiology”. In exceptional circumstances, such as prolonged hospitalisation or extended illness, absences from practical classes, course tests, seminars and lectures covered by a single medical certificate will be treated as one absence. In other exceptional circumstances, the possibility of completing the course in the semester concerned will be determined individually in consultation with the Course Coordinator.

4.4 Documentation supporting a request to excuse an absence, such as a medical certificate, a statement





endorsed by the Year Tutor or confirmation of a leave of absence granted by the Dean, must be submitted promptly to the relevant instructor or examiner, no later than seven working days after the circumstances preventing attendance have ceased.

4.5 Any **unexcused absence** from lectures, seminars or practical classes constitutes grounds for removal from the list of students enrolled in the “Pathophysiology” course.

4.6 Absences from lectures, practical classes, seminars, assessments and examinations are excused in accordance with the procedure adopted by Resolution No. 157/2018 of the Council of the Faculty of Medicine, Collegium Medicum, University of Warmia and Mazury in Olsztyn, dated 12 April 2018. An absence may be excused on the basis of:

- a. illness confirmed by a medical certificate,
- b. supporting documentation initialled by the Year Tutor.,
- c. in exceptional cases, confirmation by members of the Dean’s Board of family or personal circumstances, such as an unforeseen event, participation in a competition or attendance at a scientific conference.

4.7 The following rules apply to making up missed lectures, practical classes, seminars, course tests and examinations:

- a. Every absence from a lecture must be excused. Students who miss a lecture must submit an additional essay covering the content of that lecture. Failure to obtain a passing grade for the essay results in failure to complete the lecture component and ineligibility to sit the examination.
- b. Absences from practical classes and seminars must be excused, and the missed practical classes or seminars must be made up with another group. Where this is not possible, students must pass an oral or written assessment administered by the relevant teacher.
- c. An excused absence from a course test or examination entitles the student to take the assessment at a later date set by the Course Coordinator or examiner, which shall be treated as the first attempt in the case of an excused absence from the first date (Colloquium and Exam), the second one, in the case of excused absence on the re-sit I (test and exam), and the third, in the case of excused absence, on the second re-sit II (exam).

4.8 Unexcused absences from lectures, practical classes and seminars result in failure of the course. An unexcused absence from an assessment or examination results in a failing grade and forfeiture of the corresponding assessment or examination attempt.

5. Requirements for Passing the Respective Teaching Components

5.1 Lectures

- a. Topics covered in lectures may be included in course tests required to pass the course. All material covered in lectures falls within the scope of the “Pathophysiology” examination.





5.2 Practical Classes

- a. Practical Classes are conducted in groups of 10 students, divided into pairs. The composition of each pair remains unchanged throughout the “Pathophysiology” course.
- b. Practical Classes involve the analysis of pathophysiological mechanisms using five clinical cases. Each pair must analyse these cases on the basis of the medical histories, physical examination findings and results of additional investigations provided. During practical class, each pair must explain the pathophysiological mechanisms underlying the condition concerned and the abnormalities identified in the accompanying investigation results.
- c. The topics covered in individual practical classes are available on the website of the Department of Human Physiology and Pathophysiology.
- d. The person responsible for assessing practical classes is Bernard Kordas, DVM.
- e. Assessment of practical classes component is based on:
- i. assessment of the clinical case analysis documented in the worksheet, graded on a **pass/fail** basis:
- **PASS** = 0 points
 - **FAIL** = -2 points

and

- ii. the total number of points obtained in “short tests” consisting of five multiple-choice or open-ended questions, administered at the beginning of each practical class and graded on a scale of 2–5. “Short test’s” grades are converted into points as follows:

Grade	Points
5 (very good)	5 points
4,5 (good plus)	4,5 points
4 (good)	4 points
3,5 (satisfactory plus)	3,5 points
3 (satisfactory)	3 points
2 (fail)	0 points

- f. The “short tests” may **not** be retaken to improve the grades obtained.
- g. The final grade for the practical classes is determined by the total number of points obtained in entry “short tests” during practical classes, in accordance with the following table.



FINAL GRADE – PRACTICAL CLASSES

Points	Grade
50-47	5 (very good)
46,75-44	4,5 (good plus)
43,75-41	4 (good)
40,75-38	3,5 (satisfactory plus)
37,75-35	3 (satisfactory)
<35	2 (fail)

h. Students who obtain fewer than 35 points are entitled to take a comprehensive final assessment, covering all material taught in practical classes. The assessment takes place in the final week of the academic year and consists of a test comprising 50 questions, with five questions corresponding to each practical class. Each question has five answer options, only one of which is correct. To pass with a **satisfactory grade (3.0)**, students must answer at least 70% of the questions correctly, corresponding to a minimum of **35 points**. The person responsible for this assessment is Jakub Ruść, MD.

i. Students who have failed to pass practical classes and have substantiated concerns regarding the impartiality of the grading or the assessment procedure are entitled to submit a request to the Head of Department for assessment by a committee. The request must be submitted within **3 days** of the announcement of the assessment results. The Head of Department may order a committee assessment of the applicant's knowledge. The decision of the Head of Department may be appealed to the Dean.

j. Knowledge is verified before the commission consisting of the head of the competent organization unit as the chairperson of the commission, the year tutor, two specialists in the subject and a representative of the Student Government. The academic teacher who graded the student whose knowledge is verified by the commission shall not participate in the procedure.

k. The grade awarded following the committee assessment replaces the grade under review.

5.3 Seminars

a. Seminars involve the study of mechanisms in general and clinical pathophysiology and are conducted in groups of 20–30 students.

b. The topics covered in individual seminars will be available on the website of the Department of Human Physiology and Pathophysiology..

c. Successful completion of the seminar component is determined by the total number of points obtained in course tests during the semester.

d. The person responsible for assessment of the seminar component is Bernard Kordas, DVM.

e. Course tests:



- i. The following staff members are responsible for preparing the academic content of the respective course tests:
 - o Course Test 1 (K1) – Bernard Kordas, DVM
 - o Course Test 2 (K2) – Łukasz Jaśkiewicz, MD, PhD
 - o Course Test 3 (K3) – Bernard Kordas, DVM.
 - ii. Three course tests are scheduled during the semester to assess knowledge of specified topics. They cover material taught in seminars and practical classes and may also include material covered in lectures.
 - iii. The scope of material covered by each course test is available on the website of the Department of Human Physiology and Pathophysiology.
 - iv. Each of the three course tests (K1, K2 and K3) takes the form of a true–false test comprising 16 questions, each with five statements to be judged true or false.
 - v. Students whose absence has been excused will be offered an additional sitting, scheduled between 5 and 14 days after the announcement of the results of the relevant course test.
 - vi. An **unexcused absence** from a course test results in a score of **0 points** for that test.
 - vii. Course tests may **not** be retaken.
 - viii. Course tests may be conducted in person or remotely using information and communication technologies.
- f. The final grade for the seminar component is determined by the total number of points obtained in all course tests, in accordance with the following table:

FINAL GRADE – SEMINARS

Points	Grade
240-228	5 (very good)
227-213	4,5 (good plus)
212-198	4 (good)
197-183	3,5 (satisfactory plus)
182-168	3 (satisfactory)
<168	2 (fail)

- g. Students who obtain fewer than 168 points are entitled to take a comprehensive final assessment, covering all seminar material. The assessment takes place in the final week of the academic year and consists of a true–false test comprising 80 statements. To pass with a **satisfactory grade (3.0)**, students must answer at least 70% of the statements correctly, corresponding to a minimum of **56 points**. The person responsible for this assessment is Jakub Ruść, MD.
- h. Students who have failed the seminar component and have substantiated concerns regarding the impartiality of the grading or the assessment procedure are entitled to submit a request to the Head of Department for assessment by a committee. The request must be submitted within **3 days** of the announcement of the assessment results. The Head of Department may order a committee assessment of the applicant's knowledge. The decision of the Head of Department may be appealed to the Dean.
- i. Knowledge is verified before the commission consisting of the head of the competent organization





unit as the chairperson of the commission, the year tutor, two specialists in the subject and a representative of the Student Government. The academic teacher who graded the student whose knowledge is verified by the commission shall not participate in the procedure.

j. The grade awarded following the committee assessment replaces the grade under review.

6. Examination

6.1 The “Pathophysiology” course concludes with a written examination covering the material taught in lectures, seminars and practical classes.

6.2 Examination Eligibility and Procedures:

a. To be eligible to sit the examination, students must successfully complete all compulsory teaching components:

- lectures,
- practical classes,
- seminars.

b. The person responsible for administering the examination is Łukasz Jaśkiewicz, MD, PhD, Course Coordinator.

c. The following staff members are responsible for preparing the examination for each sitting:

- Date I: Łukasz Jaśkiewicz, MD, PhD
- Date II (re-sit I): Bernard Kordas, DVM
- Date III (re-sit II): Łukasz Jaśkiewicz, MD, PhD and Bernard Kordas, DVM

d. Early examination sitting:

- Students who have obtained a very good grade (5.0) for practical classes component and a good plus grade (4.5) for the seminar component, and who have attended the lectures, are eligible to take the early examination.
- The early examination is oral and comprises three questions: one on general pathophysiology and two on systemic pathophysiology. To pass, students must obtain at least a satisfactory grade (60%) for their answer to each question. The grading scale specified in Section 6.2(i) applies.
- The final list of students eligible for the early examination is approved by the Head of Department and the Course Coordinator.

e. Students who have obtained a very good grade (5.0) for both practical classes and seminar components, and who have attended the lectures, are entitled to exemption from the examination. The final list of students granted exemption is approved by the Head of Department and the Course Coordinator.





f. Three examination sittings are available:

- Date I,
- Date II (re-sit I),
- Date III (re-sit II).

The Date I takes place during the winter examination period, while the Date II and Date III take place during the winter re-sit examination period.

g. The date and venue of the examination will be announced no later than 14 days before the end of the winter semester of the 2026/2027 academic year.

h. The examination takes the form of a single-best-answer multiple-choice test comprising 120 questions. Each question has five answer options, only one of which is correct.

FINAL GRADE – EXAM

Points	Grade
120-110	5 (very good)
109-101	4,5 (good plus)
100-91	4 (good)
90-81	3,5 (satisfactory plus)
80-72	3 (satisfactory)
<72	2 (fail)

i. At the second and third Date (the re-sit I and II), where the number of candidates does not exceed 10, the examination is oral and comprises four questions: one on general pathophysiology and three on systemic pathophysiology. To pass, candidates must obtain at least a satisfactory grade (60%) for their answer to each question.

FINAL GRADE – ORAL EXAM

Mean grade across the questions*	Grade
5,0-4,6	5 (very good)
4,59-4,2	4,5 (good plus)
4,19-3,8	4 (good)
3,79-3,4	3,5 (satisfactory plus)
3,39-3,0	3 (satisfactory)
<3,0	2 (fail)

* The answer to each question must receive at least a satisfactory grade (3.0; 60%).

j. Candidates must bring photo identification to the examination: a national identity card or a student ID card.





k. Candidates who receive a failing grade at the Date I are entitled to two re-sits: the Date II (re-sit I) and the Date III (re-sit II).

l. At the request of a candidate who raises substantial concerns regarding the impartiality of the grading or the conduct of the examination, the re-sit II (Date III) is conducted before an examination committee. The request must be submitted within **3 days** of the date of the re-sit I examination (Date II).

m. The Dean appoints an examination committee comprising:

- i. the dean (in exceptional cases an academic teacher authorized by the dean) as chairperson of the commission,
- ii. two specialists in the subject of the examination or related specialization,
- iii. year tutor,
- iv. representative of the Student Government.

n. The academic staff member who awarded the grade under review must not participate in the committee examination.

o. The committee examination may take an oral or written form. Where the written form is used, the procedure consists of a review of the examination script by the committee.

p. A passing result may be awarded in the committee examination if at least 2/3 of the candidate's answers to individual questions receive at least a satisfactory grade.

q. A formal record of the examination is prepared and retained in the candidate's student file.

r. The result of the committee examination is final.

s. A passing grade in the examination is required to pass the course.

t. The examination may be conducted in person or remotely using information and communication technologies.

7. Review of Course Tests and Examination Papers

7.1 Each candidate is entitled to inspect their own marked answer sheets from course tests and the examination. Answer sheets may be inspected at a single scheduled viewing session arranged by the Course Coordinator.

7.2 Candidates may submit objections or comments regarding course test questions immediately after the test, using forms provided by the Department. Any concerns will be reviewed and resolved by two specialists in the subject.

7.3 Candidates may submit objections or comments regarding examination questions immediately after the examination, using forms provided by the Department. Any concerns will be reviewed and resolved by two specialists in the subject.





8. Academic Integrity and Compliance with Academic Regulations

8.1 All students must comply with academic regulations and uphold the principles of academic integrity. In particular, deception, cheating and providing others with information that enables them to complete course tests or examinations without working independently are prohibited.

8.2 If the person administering a course test or examination identifies cheating or the sharing of information with other candidates, all candidates found to have breached the requirement to complete the test or examination independently will receive a failing grade for that assessment.

8.3 Any breach of academic regulations or the principles of academic integrity will result in referral of the matter to the Dean or to the Student Disciplinary Committee of the University of Warmia and Mazury in Olsztyn.

9. Matters Not Covered by These Regulations

Matters not covered by these regulations for the Pathophysiology course delivered by the Department of Human Physiology and Pathophysiology fall within the remit of the Course Coordinator or, in their absence, the Head of the Department of Human Physiology and Pathophysiology..

10. Compliance with University and Faculty Regulations

These Course Regulations comply with the Study Regulations of the University of Warmia and Mazury in Olsztyn and the procedures in force at the School of Medicine.

11. Familiarisation with Health and Safety Requirements

All students must familiarise themselves with the occupational health and safety rules applicable at the teaching venue.

12. Safety Arrangements in Teaching Premises

Before attending lectures, practical classes or seminars, students must familiarise themselves with the location of the fire extinguisher in the Department of Human Physiology and Pathophysiology and the first-aid kit in the teaching room. The health and safety rules applicable to the teaching premises must be observed during all teaching activities.

Łukasz Jaśkiewicz, MD, PhD

Course Coordinator

prof. Mariusz Majewski, DVM, PhD

Head of Department

Olsztyn, 30.09.2026

