



Syllabus for the academic year 2025/26			
Cycle 2023/24			
Course description			
Course	Patomorfologia	Group of detailed learning outcomes	
	Pathomorphology	Group of classes (group code) C	Group name Preclinical sciences
Course completion	Winter semester		Summer semester
	pass		
Faculty	Faculty of Dentistry		
Degree Programme	Medicine and Dentistry		
Level	Uniform Master Studies		
Form	full-time		
Year	3	Semester	winter
Type of course	mandatory		
Language of instruction	English		

Number of hours per type of class and per organisational unit													
Type of classes													
	Lectures (LE)	Seminars (SEM)	Auditorium classes (AUD)	Non-clinical classes (nCLN)	Clinical classes (CLN)	Laboratory classes (LAB)	Simulation-based classes (SIM)	Practical Patient Care classes (PPCC)	Foreign Language Course (FLC)	Physical Education (PE)	Practical Training (PT)	Self-directed learning (SL)	E-learning (EL)
Winter semester – number of hours per type of class and per organisational unit													
	LE	SEM	AUD	nCLN	CLN	LAB	SIM	PPCC	FLC	PE	PT	SL	EL
Katedra Patologii Klinicznej i Doświadczalnej	15			45									
Hours of in-person, on-campus learning	0			45									
Hours of in-person learning using remote learning methods and techniques (synchronous)	15			0									
TOTAL for the year – number of hours per type of class and per organisational unit													
	LE	SEM	AUD	nCLN	CLN	LAB	SIM	PPCC	FLC	PE	PT	SL	EL
Katedra Patologii Klinicznej i Doświadczalnej	15			45									

Hours of in-person, on-campus learning	0			45									
Hours of in-person learning using remote learning methods and techniques (synchronous)	15			0									

Student workload (ECTS points balance)		
Type of student workload (class attendance, preparation for classes, etc.)	Number of hours	Number of ECTS points
1. In-person, on campus learning	45	1.8
2. In-person learning using remote learning methods and techniques (synchronous)	15	0.6
3. Asynchronous learning using remote learning methods and techniques (e-learning)	0	0
4. Self-directed learning (applies only to nursing and midwifery)	0	0
5. Student independent learning	65	2.6
6. Practical Training	0	0
Total student workload	125	5
INDICATORS		
1. Total student workload for in-person learning	60	2.4
2. Total student workload for learning using remote learning methods and techniques	15	0.6

Learning objectives
O1. To familiarize students with the range of issues dealt with in modern/contemporary pathology.
O2. Understanding the mechanisms of developing of basic disease entities.
O3. The ability to associate the clinical symptoms and conditions with the macro- and microscopic changes and features in cells, tissues and organs.
O4. Knowledge of the principles of autopsy and sectional/dissection techniques.
O5. The ability to interpret data from various sources, including pathology, for more effective diagnosis of diseases.
O6. Study and understanding of the basis of the disorders treated in hospitals and outpatients clinics.

Course learning outcomes aligned with methods of assessment of the intended learning outcomes and the type of classes			
Number of detailed learning outcome	At the end of the course, each student will know/ will understand/will be able to/ will be ready to	Methods of assessing achievement of the intended learning outcomes	Type of classes*
C.W13.	the concept of health and disease, the mechanisms of onset and progression of a disease process at the molecular, cellular, tissue and systemic levels, the clinical symptoms of a disease, prognosis and complications of a disease;	test MCQ	LE, nCLN
C.W15.	the basic disorders of hormone secretion, water and electrolyte metabolism, acid-base homeostasis, renal and pulmonary function and the mechanisms of onset and consequences of cardiovascular disorders, including shock;	test MCQ	LE, nCLN
C.W16.	the diagnostic methods used in anatomical pathology and the role of laboratory testing in prevention and	test MCQ	LE, nCLN

	diagnosis of organ and systemic disorders;		
C.W17.	the signs of death and postmortem changes as well as principles of technique and diagnosis in autopsies;	test MCQ	LE, nCLN
C.W31.	the effects of physical, chemical and biological factors as well as avitaminosis and stress on the patient's body;	test MCQ	LE, nCLN
C.U4.	predict and explain complex pathomechanisms of disorders that lead to the onset of diseases;	implementation of the commissioned task	nCLN
C.U5.	analyse the clinical course of diseases in pathological processes;	implementation of the commissioned task	nCLN
C.U6.	identify pathological changes in cells, tissues and organs in terms of circulatory disorders, regressive changes, progressive changes and inflammation;	implementation of the commissioned task	nCLN
C.U7.	identify pathological changes caused by HIV infection and observed in patients with acquired immunodeficiency syndrome (AIDS);	implementation of the commissioned task	nCLN
C.U14.	identify pathological changes in cells, tissues and organs according to basic mechanisms;	implementation of the commissioned task	nCLN
* LE - Lectures, SEM - Seminars, AUD - Auditorium classes, nCLN - Non-clinical classes, CLN - Clinical classes, LAB - Laboratory classes, SIM - Simulation-based classes, PPCC - Practical Patient Care classes, FLC - Foreign Language Course, PE - Physical Education, SL - Self-directed learning, EL - E-learning			

Course content and topic outline

Lectures

1. General pathology, histopathological examination methods, autopsy rules.
2. Genetic, congenital and developmental defects.
3. Degenerations and regressive changes.
4. Hemodynamic disorders, thromboembolic disease and shock.
5. Acute and chronic inflammation.
6. Neoplasia: epidemiology, molecular basis of cancer, carcinogenic agents, characteristics of benign and malignant neoplasms, Grading and Staging of tumors, TNM Classification.
7. Neoplasia: epithelial and mesenchymal neoplasms.
8. Blood vessels and heart pathology.
9. Respiratory tract and pulmonary pathology.
10. Gastrointestinal tract pathology: esophagus, stomach, bowels, liver and pancreas.
11. Urinary tract and kidney pathology.
12. Female genital tract and breast pathology.
13. Male genital tract pathology.
14. Central nervous system pathology.
15. Endocrine and skin pathology.

Classes

1. Introduction to pathology: the organization of pathology department and histopathological laboratory, principles of taking and procurement of the histopathological/tissue material, method of research: proceedings of specimens, histochemical and immunohistochemical
2. Degenerations: basic definitions and classifications.
3. Adaptations, injury and death: apoptosis, necrosis and atrophy.
4. Circulatory disorders: thrombosis, DIC, ischemia, congestion, edema, hemorrhage, shock.
5. Inflammation: definition, causes, terminology, divisions, inflammation, acute and chronic.
6. Tumours: definition, division, tumor growth, the spread of cancer, metastatic disease.
7. Tumours of epithelial and mesenchymal origin.
8. Cardiovascular system.
9. Respiratory tract.
10. Male and female genital tract and breast.
11. Kidneys and urinary tract.
12. The central nervous system and peripheral nerves.
13. Hematopoietic system and endocrine system.
14. Musculo-skeletal system: bones, joints and muscles.
15. Pathology of the skin.

Required textbooks

1. Robbins basic pathology / edited by Vinay Kumar, Abul K. Abbas, Jon C. Aster. - Philadelphia : Elsevier, 2013, 2018.

Optional textbooks and additional materials

1. Rapid review : pathology / Edward F. Goljan. - 4rd ed. - Philadelphia : Elsevier, 2014.
 2. Principles of Rubin's pathology / [edited by] Emanuel Rubin, Howard M. Reisner. - Philadelphia : Wolters Kluwer, 2019.

Prerequisites

1. Knowledge of basic issues of normal and topographic human anatomy.
 2. Knowledge of basic issues in human histology.
 3. Knowledge of basic issues of human physiology.

Rules for the award of grade components in the course throughout the winter semester

The condition for passing the course is to obtain a positive assessment of the two tests in the form of test questions (MCQ test).

Terms and criteria to obtain a pass for the course

Criteria for passing classes and lectures (CN, WY):

- Attendance at all classes and lectures

- Passing a test covering the material covered in classes and lectures up to the time of the test (one-choice; 30 questions; 1 point for each correct answer)

Scoring:

28-30 points - (5)

25-27 points - (4.5)

23-24 points - (4)

20-22 points - (3.5)

18-19 points - (3)

below 18 points - (2)

Grade	Pass threshold
Very Good (5.0)	93-100%
Good Plus (4.5)	85-92%
Good (4.0)	77-84%
Satisfactory Plus (3.5)	69-76%
Satisfactory (3.0)	60-68%
Unsatisfactory (2,0)	Less than 60%

Unit in charge of the course	Katedra Patologii Klinicznej i Doświadczalnej
Head of the Unit	prof. dr hab. Agnieszka Hałoń
Phone number	71 734 39 60
E-mail	agnieszka.halon@umw.edu.pl

Person in charge of the course	prof. dr hab. Agnieszka Hałoń
Phone number	71 734 39 60

E-mail	agnieszka.halon@umw.edu.pl
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Course Coordinator	Prof. dr hab. Agnieszka Hałoń
Phone number	71 734 39 60
E-mail	WL-43.2@umed.wroc.pl

OFFICE HOURS: Detailed information about the dates and locations of academic staff office hours is provided on the websites of the individual organisational units of the University teaching the course and in the display boards next to the secretariats.

Last updated on	Syllabus updated by
20 October 2025	agnieszka.halon@umw.edu.pl

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