



Syllabus for academic year: 2021/2022 Training cycle: 2019/2020 – 2024/2025													
Description of the course													
Course	Patomorfologia (2) Pathology (2)						Group of detailed education results						
							Group code	Group name					
						C	Morphology science						
Faculty	Faculty of Medicine												
Major	medicine												
Level of studies	<input checked="" type="checkbox"/> X uniform magister studies <input type="checkbox"/> 1 st degree studies <input type="checkbox"/> 2 nd degree studies <input type="checkbox"/> 3 rd degree studies <input type="checkbox"/> postgraduate studies												
Form of studies	<input checked="" type="checkbox"/> X full-time <input type="checkbox"/> part-time												
Year of studies	III					Semester:	<input checked="" type="checkbox"/> X winter <input type="checkbox"/> summer						
Type of course	<input checked="" type="checkbox"/> X obligatory <input type="checkbox"/> limited choice <input type="checkbox"/> free choice / optional												
Language of study	<input type="checkbox"/> Polish <input checked="" type="checkbox"/> X English												
Number of hours													
Form of education													
	Lectures (L)	Seminars (SE)	Auditorium classes (AC)	Major Classes – not clinical (MC)	Clinical Classes (CC)	Laboratory Classes (LC)	Classes in Simulated Conditions (CSC)	Practical Classes with Patient (PCP)	Foreign language Course (FLC)	Physical Education (PE)	Vocational Practice (VP)	Directed Self-Study (DSS)	E-learning (EL)
Winter semester:													
Department of Clinical and Experimental Pathology (Dep. in charge of the course)	30			55									
Direct (contact) education ¹				55									
Distance learning ²	30												
Educational objectives (max. 6 items) C1. Knowing basic issues of contemporary pathology C2. Knowing the mechanism of development of disease C3. Learning the correlation of macro and microscopical features with clinical findings C4. Using the light microscopy practice													

¹ Education conducted with direct participation of university teachers or other academics

² Education with applied methods and techniques for distance learning



C5. Learning the bases of autopsy
C6. Development social competences needed to practice the medical profession, in accordance with graduate's profile

Education result for course in relation to verification methods of the intended education result and the type of class:

Number of detailed education result	Student who completes the course knows/is able to	Methods of verification of intended education results	Form of didactic class <i>*enter the abbreviation</i>
C.W26.	The pathomorphological nomenclature	Test MCQ	L, MC
C.W27.	The basic mechanisms of cells and tissues damage	Test MCQ	L, MC
C.W31.	The issues in detailed organ pathology, macroscopic and microscopic images and the clinical course of pathomorphological changes in individual organs	Test MCQ	L, MC
C.W32.	The consequences of developing pathological changes on topographically adjacent organs	Test MCQ	L, MC
C.W.33.	The external and internal pathogens, modifiable and non-modifiable	Test MCQ	L, MC
C.U9.	Makes preparations and recognize pathogens under the microscope	presentation	MC
C.U11.	Associate the images of tissue and organ damage with clinical signs of disease, history and laboratory findings	presentation	MC

* L- lecture; SE- seminar; AC- auditorium classes; MC- major classes (non-clinical); CC- clinical classes; LC- laboratory classes; CSC- classes in simulated conditions; PCP- practical classes with patient; FLC- foreign language course; PE- physical education; VP- vocational practice; DSS- directed self-study; EL- E-learning

Student's amount of work (balance of ECTS points):

Student's workload (class participation, activity, preparation, etc.)	Student Workload
1. Number of hours of direct contact:	55
2. Number of hours of distance learning:	30
3. Number of hours of student's own work:	129,5
4. Number of hours of directed self-study	n/a
Total student's workload	214,5
ECTS points for course	9

Content of classes: (please enter topic words of specific classes divided into their didactic form and remember how it is translated to intended educational effects)

Lectures

1. PATHOLOGY OF ALIMENTARY TRACT II
2. PATHOLOGY OF LIVER, PANCREAS, GALL BLADDER
3. PATHOLOGY OF URINARY SYSTEM
4. PATHOLOGY OF FEMALE GENITAL TRACT I
5. PATHOLOGY OF FEMALE GENITAL TRACT II
6. PATHOLOGY OF BREAST
7. PATHOLOGY OF PREGNANCY, FEATUS ,NEWBORN AND CHILDHOOD PERIOD
8. PATHOLOGY OF ENDOCRINE SYSTEM
9. PATHOLOGY OF MALE GENITAL TRACT
10. PATHOLOGIC CHANGES IN AUTOIMMUNE ALLERGIC DISEASES
11. PATHOLOGY OF BONES, JONTS AND MUSCLES



- 1.2. PATHOLOGY OF NERVOUS SYSTEM AND LYMPHATIC SYSTEM, THYMUS, SPLEEN
- 1.3. HEMATOPATHOLOGY
- 1.4. PATHOLOGY OF SKIN AND SUBCUTANEOUS TISSUE
- 1.5. MODERN DIAGNOSTICS METHODS IN PATHOLOGY

Classes

1. ALIMENTARY TRACT PART I: diseases of salivary glands, congenital anomalies of alimentary tract, disease of the oesophagus, stomach
2. ALIMENTARY TRACT PART II: disease of small and large intestine, disease of appendix, developmental anomalies, ileus, inflammatory changes, neoplasms
3. LIVER, GALL BLADDER, PANCREAS: inflammation, toxic ethiology changes, neoplasms
4. KIDNEYS AND URINARY TRACT: congenital anomalies, inflammation, neoplasms
5. COLLOQUIUM III; PATHOLOGY OF FEMALE GENITAL TRACT PART I: disease of vulva, vagina, cervix and corpus of uterus
6. PATHOLOGY OF FEMALE GENITAL TRACT PART II AND BREAST: diseases of fallopian tubes, ovaries and breast-developmental anomalies, inflammation, neoplasms, pathology of male breast
7. PATHOLOGY OF PREGNANCY, NEWBORN AND CHILDHOOD: congenital anomalies, childhood neoplasms
8. PATHOLOGY OF ENDOCRINE SYSTEM: diseases of pituitary gland, thyroid glands, parathyroid glands, adrenal glands, diabetes
9. PATHOLOGY OF MALE GENITAL TRACT: diseases of penis, testes and prostate gland
10. COLLOQUIUM IV; PATHOLOGY OF BONES, CARTILAGES, JOINTS AND MUSCLES: metabolic diseases, inflammation, primary and metastatic tumors, diseases of joints
11. PATHOLOGY OF NERVOUS SYSTEM: diseases of central and peripheral nervous system, neoplasms
12. HEMATOPATHOLOGY: diseases of lymphatic system, thymus, spleen, bone marrow
13. PATHOLOGY OF SKIN AND SUBCUTANEOUS TISSUE: inflammation, neoplasms epithelial, mesenchymal and melanocytic
14. RECAPITULATION

Basic literature (list according to importance, no more than 3 items)

1. Kumar, Abbas "Robbins and Cotran Pathologic Basis of Disease" 10th Edition, Elsevier 2021

Additional literature and other materials (no more than 3 items)

1. internet website: www.pathologyoutlines.com
2. Polish Journal of Pathology (in English)

Preliminary conditions: None

Conditions to receive credit for the course: (specify the form and conditions of receiving credit for classes included in the course, admission terms to final theoretical or practical examination, its form and requirements to be met by the student to pass it and criteria for specific grades)

Attention! Attendance cannot be a condition for passing the course

Credit for classes: points for partial colloquiums and presentation of selected topics and cases

Exam: theory test MCQ – 100 questions/ 5 answers for each single question, with one correct answer (one point for one correct answer)

Grade:	Criteria for courses ending with a grade ³
Very Good (5.0)	≥85% correct answers
Good Above (4.5)	80-84% correct answers
Good (4.0)	75-79% correct answers
Satisfactory Plus (3.5)	70-74% correct answers
Satisfactory (3.0)	65-69% correct answers

³ The verification must cover all education results, which are realized in all form of classes within the course



Grade:	Criteria for exam ³
Very Good (5.0)	≥85% correct answers
Good Above (4.5)	80-84% correct answers
Good (4.0)	75-79% correct answers
Satisfactory Plus (3.5)	70-74% correct answers
Satisfactory (3.0)	65-69% correct answers

Department in charge of the course:	Department of Clinical and Experimental Pathology of Medical University in Wrocław
Department address:	Ul. Marcinkowskiego 1, 50-368 Wrocław
Telephone:	71 784 12 20
E-Mail:	wl-1@umed.wroc.pl

Person in charge for the course:	prof. dr hab. Piotr Ziótkowski
Telephone:	71 734 12 12
E-Mail:	piotr.ziolkowski@umed.wroc.pl

List of persons conducting specific classes:

Name and surname	Degree/scientific or professional title	Discipline	Performed profession	Form of classes
Piotr Ziótkowski	Professor	medical science	physician, specialist of pathology	L, MC
Marta Woźniak	Ass. Professor	medical science	molecular biologist	MC
Kamila Duś-Szachniewicz	Ass. Professor	medical science	molecular biologist	MC
Piotr Kupczyk	PhD	medical science	molecular biologist	MC
Sebastian Makuch	MSc	medical science	biotechnologist	MC
Martyna Nowak-Perlak	MSc	medical science	biotechnologist	MC
Katarzyna Gdesz-Birula	MSc	medical science	biotechnologist	MC

Date of Syllabus development
28-06-2021

Syllabus developed by
Izabela El Hassanieh

Dean's signature


Prof. Ewa Sienkiewicz

Signature of Head(s) of teaching unit(s)
Uniwersytet Medyczny we Wrocławiu
Katedra Patologii Klinicznej i Doświadczalnej
ZAKŁAD PATOLOGII OGÓLNEJ I DOŚWIADCZALNEJ
kierownik

prof. dr hab. Piotr Ziótkowski