



Educational objectives (max. 6 items)

- C1. Knowing basic problems of contemporary pathology**
- C2. Knowing the mechanisms of development of diseases**
- C3. Learning the correlations of macro- and microscopical features with clinical findings**
- C4. Using the light microscopy in practice**
- C5. Learning the bases of autopsy**
- C6. Interpreting pathologic data towards social diseases (circulation, malignant tumors, diabetes)**

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

Number of course education result	Number of major education result	Student who completes the module/course knows/is able to	Methods of verification of intended education results (forming and summarising)	Form of didactic class <i>**enter the abbreviation</i>
W 25	C.W 25	Knows pathomorphological nomenclature	oral examination, test	L
W 26	C.W 26	Knows basic mechanisms of cells and tissues damage	oral examination, test	L
W 27	C.W 27	Describes a course of specific and non-specific inflammatory processes and describes processes of tissue regeneration	oral examination	L
W 28	C.W 28	Knows definition and pathophysiology of shock with special attention on differential diagnosis of causes of shock and multiorgan failure	oral examination	L
W 29	C.W 29	Knows etiology of hemodynamic changes, degenerative changes and neoplastic changes (malignant)	oral examination	L
W 30	C.W 30	Knows problems from organ pathology, macro- and microscopic pictures of certain diseases and clinical course of pathological changes in given organs	oral examination	L
U 11	C.U 11	Relates tissue and organ damage pictures with clinical symptoms and laboratory tests	oral examination	MC

** L - lecture; SE - seminar; AC – auditorium classes; MC – major classes (non-clinical); CC – clinical classes; LC – laboratory classes; SCM – specialist classes (magister studies); CSC – classes in simulated conditions; FLC – foreign language course; PCP practical classes with patient; PE – physical education (obligatory); VP – vocational practice; SS – self-study, EL – E-learning .

Please mark on scale 1-5 how the above effects place your classes in the following categories:
communication of knowledge, skills or forming attitudes:

Knowledge: +++

Skills: +++



Social competences:	
Student's amount of work (balance of ECTS points)	
Student's workload (class participation, activity, preparation, etc.)	Student Workload (h)
1. Contact hours:	85
2. Student's own work (self-study):	27,5
Total student's workload	112,5
ECTS points for module/course :	4,0
Comments	
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)	
<p>Lectures</p> <ol style="list-style-type: none"> 1. Technical Remarks. 2. Cell Injury. Degenerations 3. Disturbances Of Metabolism 4. Necrosis. Atrophy 5. Disturbances Of Circulation 1 6. Disturbances Of Circulation 2 7. Inflammation 1 - Classification 8. Inflammation 2 9. Chronic Inflammation 1 10. Chronic Inflammation 2 11. Introduction To Oncology. Epithelial Tumors 12. Mesenchymal Tumors 13. Pathology Of Heart And Vessels 14. Pathology Of Lungs, Bronchi And Pleura 15. Alimentary Tract 1 16. Alimentary Tract 2 17. Liver, Pancreas, Gall Bladder 18. Kidneys 19. Urinary System 1; Male Genital Tract, Prostate Gland 20. Urinary System 1; Male Genital Tract, Prostate Gland 21. Breast 22. Pathology Of Female Genital Tract 1 23. Pathology Of Female Genital Tract 2 24. Endocrine Glands 25. Lymph Nodes, Thymus, Spleen 26. Pathology Of Central Nervous System (Cns) 27. Pathology Of Bones, Cartilages, Joints And Muscles 28. Modern Diagnostic Methods In Pathology 29. Skin Pathology 30. Pathology Of The Newborn 	
Seminars	
<p>Practical classes</p> <ol style="list-style-type: none"> 1. Technical Remarks. 2. Cell Injury. Degenerations 3. Disturbances Of Metabolism 4. Necrosis. Atrophy 5. Disturbances Of Circulation 1 	



6. Disturbances Of Circulation 2
7. Inflammation 1 - Classification
8. Inflammation 2
9. Chronic Inflammation 1
10. Chronic Inflammation 2
11. Introduction To Oncology. Epithelial Tumors
12. Mesenchymal Tumors
13. Pathology Of Heart And Vessels
14. Pathology Of Lungs, Bronchi And Pleura
15. Alimentary Tract 1
16. Alimentary Tract 2
17. Liver, Pancreas, Gall Bladder
18. Kidneys
19. Urinary System 1; Male Genital Tract, Prostate Gland
20. Urinary System 1; Male Genital Tract, Prostate Gland
21. Breast
22. Pathology Of Female Genital Tract 1
23. Pathology Of Female Genital Tract 2
24. Endocrine Glands
25. Lymph Nodes, Thymus, Spleen
26. Pathology Of Central Nervous System (Cns)
27. Pathology Of Bones, Cartilages, Joints And Muscles
28. Modern Diagnostic Methods In Pathology
29. Skin Pathology
30. Pathology Of The Newborn

Other

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

- 1. "PATHOLOGIC BASIS OF DISEASE" Robbins and Cotran 7th Edition (or newer),**
 - 2. "PATHOLOGY" Anderson, vol 1-2, 8th Edition (or newer)**
- and: any other book in pathology in English not older than 8-10 years**

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

Surgical Pathology Outlines

Polish Journal of Pathology (in English); Internet websites, e.g.

Didactic resources requirements (e.g. laboratory, multimedia projector, other...)

cytological lab, histological lab with relevant equipment (e.g. microtomes, cryostat); light microscopes and histological slides; autopsy room; projectors and computers

Preliminary conditions (minimum requirements to be met by the student before starting the module/course) **None**

Conditions to receive credit for the course (specify the form and conditions of receiving credit for classes included in the module/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)

Theory: test – 100 questions each of them with one correct answer

Practical: written - order of histopathologic research and presentation of a case

Grade:

Criteria (only for courses/modules ending with an examination)

Very Good
(5.0)

More than 90 points

Good Plus (4.5)	86-90 points
Good (4.0)	81-85 points
Satisfactory Plus (3.5)	76-80 points
Satisfactory (3.0)	71-75 points

Name and address of module/course teaching unit, contact: telephone and e-mail address

Katedra i Zakład Patomorfologii, Marcinkowskiego 1, 50-368 Wrocław,
tel. 71 784-12-12

Coordinator / Person responsible for module/course, contact: telephone and e-mail address

Prof. dr hab. Piotr Ziółkowski

List of persons conducting specific classes: full name, degree/scientific or professional title, discipline, performed profession, form of classes.

Prof. dr hab. Piotr Ziółkowski; pathologist, MD, L, MC

Dr med. Krzysztof Symonowicz; pathologist, MD, MC

Dr Kamila Duś, PhD

mgr Marta Woźniak, PhD

Date of Syllabus development

01.06.2017

Syllabus developed by




Signature of Head of teaching unit



Uniwersytet Medyczny we Wrocławiu
KATEDRA PATOMORFOLOGII
ZAKŁAD PATOMORFOLOGII
kierownik

prof. dr hab. Piotr Ziółkowski

Signature of Faculty Dean
Wrocław Medical University
FACULTY OF MEDICINE
VICE-DEAN FOR STUDIES IN ENGLISH

Prof. Andrzej Hendrich, PhD

