



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
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):	
Total student's workload 125	
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)	
Lectures <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 	
Seminars	
Practical classes <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. Repetition 	
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 <u>not older</u> 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)

Partial tests and oral presentations of selected issues

Grade:	Criteria (only for courses/modules ending with an examination)
Very Good (5.0)	More than 20 points
Good Plus (4.5)	17-19 points
Good (4.0)	14-16 points
Satisfactory Plus (3.5)	11-13 points
Satisfactory (3.0)	5-10 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,
dr Krzysztof Symonowicz; pathologist
dr Marta Woźniak,
lek. Danuta Szkudlarek
lek. Krzysztof Zduniak
lek Siddarth Agrawal
lek. Izabela Hassanieh**

Date of Syllabus development

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Syllabus developed by

Uniwersytet Medyczny we Wrocławiu
KATEDRA PATOMORFOLOGII
Zakład Patomorfologii
adiunkt dydaktyczny

dr n. med. Krzysztof Symonowicz

Signature of Head of teaching unit

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Signature of Faculty Dean
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