



**ECTS: 8**  
**YEAR: 2016Z**

**PATHOLOGY 2/2****COURSE CONTENT  
CLASSES**

1. Lung. 2. Kidney and its collecting system. 3. Oral cavity and gastrointestinal tract. 4. Liver, gallbladder and biliary tract. Pancreas. 5. Repetition (Lung -> Pancreas). Colloquium. 6. Male genital system and lower urinary tract. 7. Female genital system and breast. 8. Endocrine system. 9. Repetition (Male genital system -> Endocrine system). Colloquium. 10. Bones, joints and soft tissue tumors. 11. Central nervous system. 12. Peripheral nerves and muscles. Skin. 13. Repetition (Bones -> Skin). Colloquium. 14. Clinical cases. Immunohistochemistry.

**LECTURES**

1. Gastrointestinal tract pathology. 2. Female genital tract and breast pathology. 3. Urinary tract and kidney pathology. 4. Pathology of the skin and soft tissue pathology. 5. Central nervous pathology. 6. Hematopathology.

**EDUCATIONAL OBJECTIVE:**

General Pathology and Systemic Pathology: study and understanding of the basis of the disorders treated in hospitals and outpatients clinics. Study and ability of macroscopic interpretation (during didactic autopsies). Study and ability of microscopic interpretation. Mastering of attitudes and behaviours in accordance with medical ethics.

**DESCRIPTION OF LEARNING OUTCOMES FOR THE COURSE IN RELATION TO FIELD AND MAJOR  
LEARNING OUTCOMES**

Codes of learning outcomes in a major field of study:

Codes of learning outcomes in a major area of study: C.U11. +, C.U12. +, C.W.31. +, C.W.32. +, C.W.33. +, C.W25. +, C.W26. +, C.W27. +, C.W28. +, C.W29. +, C.W30 +, K.3. +, K.4. +, K.5. +,

**LEARNING OUTCOMES:****Knowledge**

W1 - the knowledge of basic mechanisms of cell and tissue injury;  
W2 - the knowledge of pathologic terminology;  
W3 - the description of clinical course specific and non-specific inflammations and - cell and tissue regenerations;  
W4 - the knowledge of definition and pathophysiology of shock, putting the emphasize on the differentiation etiology of shock and multiorgans failure;  
W5 - the knowledge of hemodynamic disorders and adaptive changes;  
W6 - the knowledge of organs pathology, macro- and microscopic pictures and clinical course of pathologic changes in particular organs;  
W7 - the description of developing pathologic changes to adjacent organs;  
W8 - the knowledge of pathologic agents external and internal, modifiable and non-modifiable;  
W9 - the knowledge of clinical forms of the common diseases of particular systems and organs and metabolic diseases

**Skills**

U1 - the matching of pictures of tissue and organs injury with clinical symptoms of diseases, clinical data and laboratory test;  
U2 - the ability to analyse reactive, defence and adaptive changes and dysfunctions of homeostasis caused by etiologic factor;

**Social competence**

K1 - Is aware of own limitations and of duty of continuous learning.  
K2 - Keeps medical secret and respects patient's laws.  
K3 - Behaves with dignity and respect in the presence of human bodies and remains.

**BASIC LITERATURE**

Kumar V., Abbas A.K., Fausto N., Mitchell R., 2013r., "Robbins basic pathology", wyd. Saunders.

**SUPPLEMENTARY LITERATURE****Course/module:**

Pathology 2/2

**Fields of education:**

Obszar nauk medycznych, nauk o zdrowiu i nauk o kulturze fizycznej

**Course status:** mandatory

**Course group:** A - basic course

**ECTS code:**

**Field of study:** Medicine

**Specialty area:** Medicine

**Educational profile:** Practical

**Form of study:** full-time

**Level of study:** uniform master's studies

**Year/semester:** 3 / 5

**Type of course:**

Classes, Seminar, Lecture

**Number of hours per semester/week:** Classes: 60, Seminar: 20, Lecture: 20

**Teaching forms and methods**

Classes(K1, K2, K3, U1, U2, W1, W2, W3, W4, W5, W6, W7, W8, W9) : Practical classes - Interpretation of macroscopic and microscopic pictures, Didactic autopsy., Seminar(U1, U2, W1, W2, W3, W4, W5, W6, W7, W8, W9) : Problems solving seminary., Lecture(U1, U2, W1, W2, W3, W4, W5, W6, W7, W8, W9) : Presenting lectures.

**Form and terms of the verification results:**

CLASSES: Colloquium practical - interpretacja obrazów mikroskopowych(U1, U2, W1, W2, W3, W4, W5, W6, W7, W8, W9) ; CLASSES: Colloquium test - kolokwium pisemne wg harmonogramu ćwiczeń(W1, W2, W3, W4, W5, W6, W7, W8, W9) ; SEMINAR: Evaluation of the work and cooperation in the group - Evaluation of work and cooperation skills in group.(K1, K2, K3) ; LECTURE: Part in the discussion - Participation in discussion(K1, K2, K3, W1, W2, W3, W4, W5, W6, W7, W8, W9) ; LECTURE: Written exam - Written, single choice questions exam. (K1, K2, K3, U1, U2, W1, W2, W3, W4, W5, W6, W7, W8, W9)

**Number of ECTS points:** 8

**Language of instruction:** English

**Introductory courses:**

Normal anatomy, histology, biochemistry, medical biology, microbiology.

**Preliminary requirements:**

Normal anatomy, histology, biochemistry, medical biology, microbiology.

**Name of the organizational unit offering the course:**

Katedra Patomorfologii,

**Person in charge of the course:**

dr n. med. Zygmunt Koziielec, , dr hab. n. med. Konrad Ptaszyński, prof. UWM

**Course coordinators:****Notes:**

## Detailed description of the awarded ECTS points - part B

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### **PATHOLOGY 2/2**

The awarded number of ECTS points is composed of:

#### 1. Contact hours with the academic teacher:

- participation in: classes	60 h.
- participation in: seminar	20 h.
- participation in: lecture	20 h.
- consultation	2 h.
	102 h.

#### 2. Student's independent work:

-	90 h.
	90 h.

1 ECTS point = 25-30 h of the average student's work, number of ECTS points = 192 h : 25 h/ECTS = 7,68 ECTS  
on average: **8 ECTS**

- including the number of ECTS points for contact hours with direct participation of the academic teacher:	4,08 ECTS points,
- including the number of ECTS points for hours completed in the form of the student's independent work:	3,92 ECTS points,