



Course title: PATHOLOGY

ECTS credit allocation (and other scores): 2 ECTS

Semester: spring

Level of study: ISCED-6 - first-cycle programmes (EQF-6)

Branch of science: Medical and health sciences

Language: English

Number of hours per semester: 60 hours

Course coordinator/ Department and e-mail: Wiktoria Lipińska, wiktoria.lipinska@uwm.edu.pl /Department of Pathomorphology School of Medicine Collegium Medicum University of Warmia and Mazury in Olsztyn

Type of classes: classes and lectures

---

#### Substantive content

**CLASSES** Pathologic terminology. Basic mechanisms of cell and tissue injury. Specific and non-specific inflammations and cell and tissue regenerations. Definition and pathophysiology of shock and multiorgans failure. Hemodynamic disorders and adaptive changes. Benign and malignant neoplasms. Organs pathology, macro- and microscopic pictures and clinical course of pathologic changes in particular organs; pathologic agents external and internal, modifiable and non-modifiable. Clinical forms of the common diseases of particular systems and organs and metabolic diseases.

**LECTURES:** Pathologic terminology. Basic mechanisms of cell and tissue injury. Specific and non-specific inflammations and cell and tissue regenerations. Definition and pathophysiology of shock and multiorgans failure. Hemodynamic disorders and adaptive changes. Benign and malignant neoplasms. Organs pathology, macro- and microscopic pictures and clinical course of pathologic changes in particular organs; pathologic agents external and internal, modifiable and non-modifiable. Clinical forms of the common diseases of particular systems and organs and metabolic diseases.

**Learning purpose:** Understanding of the basis of disorders. Interpretation of histopathologic examinations records.

---

On completion of the study programme the graduate will gain:

**Knowledge:** Cell and tissue injury, inflammations, hemodynamic disorders, adaptive changes and neoplasms.

**Skills:** matching of pictures of tissue and organs injury with clinical symptoms and laboratory test.

**Social Competencies:** keeping medical secret and respecting patient's laws; respect in the presence of human remains.

---

**Basic literature:** Kumar V., Abbas A.K., Fausto N., Mitchell R., "Robbins basic pathology", Saunders, 2013r.

**Supplementary literature:**

---

The allocated number of ECTS points consists of:

Contact hours with an academic teacher: 35 hours (10 lectures, 15 seminar, 10 classes)

Student's independent work: 25 hours