

Course name: Elements of pathophysiology (USOS Code: B-BM.078Eng)

ECTS: 1

No. of hours: 15 (15 lectures + 0 classes)

Course coordinator: Dr hab. Joanna Jakubowicz-Gil, prof. UMCS

Prerequisites: Completed course in Human physiology and Human anatomy

Course description: Introduction: concepts of health and disease, causes and mechanisms of diseases' development, cellular responses to stress and noxious stimuli. Pathophysiology of pain. Pathophysiology of carcinogenesis. Molecular mechanisms of carcinogenesis. Pathophysiology of selected central nervous system diseases. Nutrition alterations. Molecular mechanism of inflammation. Mechanisms of cell injury and cell death.

Recommended literature: Pathophysiology Made Incredibly Easy! 5th ed, I. Lippincott Williams & Wilkins; Robbins Basic Pathology 10th ed, Elsevier.