MINISTRY OF EDUCATION AND SCIENCE OF THE RUSSIAN FEDERATION,
MINJSTRY OF EDUCATION AND SCIENCE OF THE KYRGYZ REPUBLIC

IEO HE for Higher Education
Kyrgyz-Russian Slavic University named after first President B.N.Yeltsyn Institute of Clinical Medicine and Biomedical technologies

ENDORSED BY
Dean of ICMandBT
Abilova S.S.
"04" 11 2026

Pathological anatomy

abstract of the discipline (module)

Assigned to the Department of Pathology and forensic medicine
Academic Curriculum 31050151_21_45 ld in.plx
Specialty 560001 - KR General Medicine (for foreign students)

Qualification	Specialist
Mode of Study	**Intramural**
Total Credit Value	__7___**credit points**

Course Hours	252
including:	
in-class learning	128
individual work	87.7
exams	35.5

Scope of testing semesters:
exams 6
credits 5

Course Hours Scheduling (per semester)

Semester Academic Year	5 (3.1)		6 (3.2)		Total	
Weeks	16		16			
Type of Traning	AC	CO	AC	CO	AC	CO
Lectures	16	16	32	32	48	48
Practical Session	48	48	32	32	80	80
Contact work during theoretical training	0,3	03			0,3	0,3
Contact work during the examination session			0,5	0,5	0,5	0,5
Including Interactive Session	7	7	7	7	14	14
Total In-class Session	64	64	64	64	128	128
Individual Work Assessment	64,3	64,3	64,5	64,5	128,8	128,8
Face-to-face Learning	43,7	43,7	44	44	87,7	87,7
Individual Work			35,5	35,5	35,5	35,5
Total	108	108	144	144	252	252

1. COURSE OUTLINE OBJECTIVES
1.1. The purpose of the discipline (module) is to acquire the knowledge of the structural bases of diseases, their etiology and pathogenesis, as well as the principles of clinical anatomical analysis and the construction of a pathoanatomical diagnosis
1.2. Discipline "Pathological anatomy" is included in the mathematical and natural-science cycle (C 2), specialty - medical science, course - 3, semesters - V, VI

2. PLACE OF THE COURSE IN THE EDUCATIONAL PROGRAM	
Educational Program Units:	
2.1	**Students' Preliminary Training Requirements:**
2.1.1	Microbiology, Virology
2.1.2	Normal physiology
2.1.3	Histology, embryology, cytology
2.1.4	Immunology
2.1.5	Anatomy
2.1.6	Latin language
2.2	**Course Units and Practical Sessions imposing the prior Proficiency**
2.2.1	Obstetrics and gynecology
2.2.2	Neurology, medical genetics, neurosurgery
2.2.3	Faculty Therapy
2.2.4	Faculty Surgery
2.2.5	Epidemiology
2.2.6	Occupational diseases
2.2.7	Urology
2.2.8	Endocrinology
2.2.9	Hospital Therapy
2.2.10	Hospital Surgery
2.2.11	Infectious Diseases
2.2.12	Otorhinolaryngology
2.2.13	Pediatrics
2.2.14	Ophthalmology
2.2.15	Traumatology, orthopedics
2.2.16	Pediatric surgery
2.2.17	Oncology, radiation therapy
2.2.18	Sectional course
2.2.19	Stomatology
2.2.20	Forensic Medicine
2.2.21	Anaesthesiology, resuscitation, intensive care
2.2.22	Dermatovenereology
2.2.23	Phthisiology

3. STUDENTS' COMPETENCIES RESULTING FROM THE COURCE UNIT (MODULE)	
OPK-9: the ability to assess the morphofunctional, physiological states and pathological processes in the human body to solve professional problems.	
Knowledge:	
Level 1	Normal structure of organs and systems, and their functions in a healthy body

Level 2	The essence and basic laws of general pathological processes in the human body, the concepts of etiology, pathogenesis, morphogenesis, pathomorphosis of pathological processes, characteristic changes in organs and tissues in typical pathological processes
Level 3	Structural and functional bases of diseases and pathological processes, causes, main mechanisms of development and outcomes of pathological processes, dysfunctions of organs and systems
Skills:	
Level 1	Analyze the physiological reactions of the body, ensuring its normal existence, and life in the conditions of illness
Level 2	Identify and describe the morphological manifestations of typical pathological processes in the studied micro preparations, substantiate the nature of the pathological process in comparison with its clinical manifestations
Level 3	Analyze the structural-functional manifestations of pathological processes, their cause and mechanism of development
Expertise:	
Level 1	Skills of work with a microscope, to study the morphological diagnosis of pathological conditions
Level 2	Morphological diagnosis of typical pathological processes based on pathohistological analysis, identified structural changes
Level 3	To know the terminology and skills of morphological diagnostics of the structural and functional bases of diseases and pathological processes, the causes, the main mechanisms of development and outcomes of pathological processes at the macro and microscopic level

Final Students' Competences

3.1	**Knowledge:**
3.1.1	The terms used in the course of pathological anatomy, and the main methods of pathoanatomical research;
3.1.2	Concepts of etiology, pathogenesis, morphogenesis, pathomorphosis of disease, nosology, principles of classification of diseases
3.1.3	Essence and main regularities of general pathological processes
3.1.4	Characteristic changes in internal organs in the most important human diseases
3.1.5	Basics of clinical and anatomical analysis, rules for constructing a pathoanatomical diagnosis, principles of clinical and anatomical analysis of biopsy and surgical material
3.2	**Skills:**
3.2.1	Substantiate the nature of the pathological process and its clinical manifestations;
3.2.2	To compare morphological and clinical manifestations of diseases at all stages of their development;
3.2.3	Diagnose the causes, pathogenesis and morphogenesis of diseases, their manifestations, complications and outcomes, as well as pathomorphosis, and in case of death, the cause of death and the mechanism of dying (tanatogenesis);
3.2.4	Use the knowledge gained about structural changes in pathological processes and diseases in professional communication with colleagues and patients.
3.3	**Expertise:**
3.3.1	Basic information transformation technologies: text, spreadsheet editors, the technique of working on the Internet for professional activities;
3.3.2	Macroscopic diagnosis of pathological processes;
3.3.3	Microscopic (histological) diagnosis of pathological processes;
3.3.4	Skills of clinical and anatomical analysis.