

MINISTRY OF EDUCATION AND SCIENCE OF THE KYRGYZ REPUBLIC

Government-run educational institution of higher professional education
Kyrgyz-Russian Slavic University named after B.N. Yeltsin



06.11.2024 year.

**PROFESSIONAL CYCLE
HISTOLOGY, EMBRYOLOGY, CYTOLOGY**

Course outline (module)

Assigned to **histology, embryology, cytology**
 Academic curriculum 560001_24_1LDi.pli.xml
 560001 KR – General Medicine (for foreign student)
 Qualification specialist
 Mode of study intramural

Course hours scheduling (per semester)

semester (course > < Semester on the course)	1 (1.1)		2 (1.2)		total	
	weeks		weeks			
Type of training	AC	CO	AC	CO	AC	CO
Lectures	16	16	16	16	32	32
Practical	32	32	32	32	64	64
Contact work during the period of theoretical training	0,3	0,3			0,3	0,3
Contact work during the examination session			0,5	0,5	05	05
Interactive	3	3	3	3	6	6
Total audit.	48	48	48	48	96	96
Face to face learning	48,3	48,3	48,5	48,5	96,8	96,8
Individual work	47,7	47,7	16	16	63,7	63,7
Control			31,5	31,5	31,5	31,5
Total	96	96	96	96	192	192

1. COURSE OUTLINE OBJECTIVES

1.1	the formation of students' scientific ideas about the microscopic, functional morphology and development of human cellular, tissue and organ systems, the features of the development of the human embryo, the ultramicroscopic level of the structure of the structures of human organs, providing the basis for studying clinical disciplines and contributing to the formation of medical thinking.
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2. PLACE OF THE COURSE IN THE EDUCATIONAL PROGRAM

Educational Program Units: B 1. O	
2.1 Students' Preliminary Training Requirements:	
2.1.1	chemistry
2.1.2	biology
2.1.3	anatomy
2.2 Course Units and Practical Sessions imposing the prior Proficiency:	
2.2.1	normal physiology
2.2.2	pathological anatomy
2.2.3	pathophysiology, clinical pathophysiology
2.2.4	obstetrics
2.2.5	urology
2.2.6	pediatrics
2.2.7	ophthalmology
2.2.8	phthisiology
2.2.9	oncology, radiation therapy
2.2.10	gynecology
2.2.11	endocrinology
2.2.12	dermatovenereology
2.2.13	general surgery
2.2.14	forensic medicine
2.2.15	faculty therapy
2.2.16	neurology, medical genetics, neurosurgery

3. STUDENTS' COMPETENCIES RESULTING FROM THE COURSE UNIT (MODULE)

GSC – 3 - capable and ready to collect, process and interpret the data necessary to form judgments on relevant social, scientific and ethical issues with the use of modern information technologies.

Knowledge:

Level 1	know modern information technologies;
Level 2	know how to process scientific data;
Level 3	know how to process and interpret scientific data using modern information technologies.

Skills:

Level 1	to be able to use modern information technologies;
Level 2	to be able to collect, process and interpret scientific data;
Level 3	to be able to collect, process scientific data and interpret them.

Expertise:

Level 1	possess modern information technologies;
Level 2	possess modern methods of collecting, processing and interpreting scientific data;
Level 3	collect, process and interpret with the use of modern information technologies the data necessary for forming judgments on topical social, scientific and ethical issues.

PC – 31 – able and willing to analyze and publicly present medical information based on an evidence-based medicine.

Knowledge:

Level 1	know how to analyze and publicly present medical information;
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Level 2	know, confidently analyze and publicly present medical information;
Level 3	analyze and publicly present medical information using evidence-based medicine.
Skills:	
Level 1	to be able to analyze and publicly present medical information;
Level 2	to be able to confidently analyze and publicly present medical information;
Level 3	to be able to deeply analyze and publicly present medical information based on evidence-based medicine.
Expertise:	
Level 1	possess the skills to analyze and publicly present medical information;
Level 2	confidently possess the skills to analyze and publicly present medical information;
Level 3	able and willing to analyze and publicly present medical information based on evidence-based medicine

The student should know as a result of mastering the discipline:

3.1 Knowledge:	
3.1.1	the structure of the cell, tissues and organs of a person;
3.1.2	the basic patterns of development and life of the human body based on the structural organization of cells, tissues and organs;
3.1.3	the histofunctional features of tissue elements, methods for their study;
3.1.4	safety rules when working in histological, chemical, biological laboratories with reagents, instruments, animals;
3.1.5	chemical and biological essence of the processes occurring in the human body at the molecular and cellular levels;
3.1.6	general patterns of origin and development of life;
3.1.7	anthropogenesis and ontogeny of man;
3.1.8	functional systems of the human body, their regulation and self-regulation under the influence of environmental factors;
3.1.9	features of reparative and physiological regeneration of organs and tissues.
3.2 Skills:	
3.2.1	distinguish features of morphological structures and describe their structure;
3.2.2	work with magnifying equipment (microscopes, optical and simple magnifiers);
3.2.3	to give a histophysiology assessment of the state of various cellular, tissue and organ structures in humans.
3.3 Expertise:	
3.3.1	skills in preparation, microscopy and analysis of histological and cytological preparations, analysis of electronic micrographs of human tissues.