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

Government-run Educational Institution of Higher Professional Education
Kyrgyz-Russian Slavic University
School of Medicine

УТВЕРЖДАЮ
Директор ИКМиБТ
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04.11.2026 г.

FORENSIC MEDICINE

Abstract of the discipline (module)

Assigned to Department of Forensic Medicine
Academic Curriculum 31050150_26_1ЛД
ин.plx 31.05.01 – RF, 560001 – KR
Mode of Study **Intramural**
Total Credit Value __3___**credit point**

Course Hours 90
including:
in-class learning 48,3
individual work 41,7

Scope of Testing Semesters:
exams
credits

Course Hours Scheduling (per semester)

Semester (<Course>. <Semester on the course>)	**11 (6.1)**		Total	
Weeks	19			
Type of occupation	UP	RPD	UP	RPD
Lectures	16	16	16	16
Practical	32	32	32	32
Contact work during semester	0,3	0,3	0,3	0,3
Including Interactive Session	2	2	2	2
Total Aud.	48	48	48	48
Contact	48,3	48,3	48,3	48,3
Itself. Work	41,7	41,7	41,7	41,7
Total	90	90	90	90

1. OBJECTIVES OF DEVELOPMENT OF DISCIPLINE	
1.1	Training a doctor on theoretical and practical issues of forensic medicine in the amount of cumulative mastery of knowledge, skills and abilities providing the necessary competence to successfully fulfill the duties of a specialist in the production of initial investigative actions, familiarizing them with the morphological features of the course of pathological processes during mechanical trauma and some extreme conditions (terminal conditions death and cadaveric changes, poisoning, mechanical asphyxiation)
1.2	Legal regulation and the organization of forensic medical examinations, the main problems of medical bioethics, questions of the responsibility of doctors for causing harm to health and for professional and professional offenses.

2. PLACE OF DISCIPLINE IN OOP STRUCTURE	
OOP cycle (section):	B1.B
2.1	**Requirements for the preliminary training of the student:**
2.1.1	Jurisprudence
2.1.2	Physics mathematics
2.1.3	Computer Science Basics
2.1.4	Biology
2.1.5	Anatomy
2.1.6	Psychiatry, medical psychology
2.1.7	Public health and healthcare, health economics
2.1.8	Pathological anatomy, clinical pathological anatomy
2.1.9	Pathophysiology, clinical pathophysiology
2.1.10	Histology, embryology, cytology
2.1.11	Topographic anatomy and operative surgery
2.1.12	History
2.1.13	Chemistry
2.1.14	Latin language
2.1.15	History of medicine
2.1.16	Foreign language
2.1.17	Philosophy
2.1.18	Psychology and pedagogy
2.1.19	Stressology
2.1.20	Normal physiology
2.1.21	Microbiology, Virology
2.1.22	Medical informatics
2.1.23	Manasology
2.1.24	Bioethics
2.1.25	Biochemistry
2.1.26	Life safety
2.1.27	Emergency Medicine
2.1.28	Life Safety and Disaster Medicine
2.1.29	Pharmacology
2.1.30	Propaedeutics of internal diseases
2.1.31	First Aid Basics
2.1.32	general surgery
2.1.33	Radiation diagnostics
2.1.34	Epidemiology
2.1.35	Hygiene
2.1.36	Faculty surgery
2.1.37	Faculty therapy, occupational diseases
2.1.38	Faculty therapy
2.1.39	Urology

2.1.40	Occupational diseases
2.1.41	Neurology, medical genetics, neurosurgery
2.1.42	Otorhinolaryngology
2.1.43	Pediatrics
2.1.44	Ophthalmology
2.1.45	Research work
2.1.46	Infectious diseases
2.1.47	Hospital surgery
2.1.48	Obstetrics and gynecology
2.2	**Disciplines and practices for which the development of this discipline (module) is necessary as the previous one:**
2.2.1	Anesthesiology, intensive care, intensive care
2.2.2	Gerontology
2.2.3	Gerontology
2.2.4	Hospital therapy
2.2.5	Hospital Surgery, Pediatric Surgery
2.2.6	Pediatric surgery
2.2.7	Oncology, radiation therapy
2.2.8	Outpatient therapy
2.2.9	Gerontology
2.2.10	Hospital therapy
2.2.11	Hospital therapy, endocrinology
2.2.12	Outpatient therapy
2.2.13	Psychotherapy
2.2.14	Dentistry
2.2.15	Traumatology and orthopedics
2.2.16	Dermatovenerology
2.2.17	Evidence based medicine
2.2.18	Medical rehabilitation
2.2.19	Sports medicine
2.2.20	Diagnostic and treatment standards
2.2.21	Phthisiology
2.2.22	Hospital therapy, endocrinology

3. TRAINED COMPETENCE FORMED BY THE DEVELOPMENT OF THE DISCIPLINE (MODULE)	
	OPK-6: readiness for maintaining medical records
Know:	
Level 1	Legislation of the Russian Federation and the Kyrgyz Republic in the field of healthcare. Fundamentals of the legislation of the Russian Federation, the Kyrgyz Republic and regulatory documents of the Ministry of Health of the Russian Federation and the Kyrgyz Republic governing the activities of a medical specialist in the field of forensic medicine.
Level 2	Fundamentals of current legislation: criminal; criminal procedure; civil and civil procedure; laws on health care and forensic services, the procedure for conducting forensic medical examinations.
Level 3	The concept of a forensic diagnosis, the principles of constructing a clinical and forensic diagnosis and clinical anatomical comparison.
Be able to:	
Level 1	Correctly encode morbidity and mortality data (ICD-X).
Level 2	To substantiate the conduct or refusal to conduct forensic medical examinations.
Level 3	To analyze: clinical data (medical history, outpatient records); autopsiyno- morphological data (forensic act concluded the expert, protocol inspection of the corpse) by applying the laws of formal logic.
Own:	
Level 1	Own the principles of formulating and compiling clinical and forensic diagnoses , taking into account the requirements of ICD-X

Level 2	Macro and microscopic forensic diagnosis of pathological processes.
Level 3	Rules of drawing up forensic act, conclusion of expert, protocol inspection of the corpse, the principles of mapping and design of clinical and forensic diagnoses.

PC-5: willingness to collection and analysis of complaints of the patient, data of its history, the results of the inspection, laboratory tools, post-mortem and other studies to establish the recognition state or the presence or absence of disease	
Know:	
Level 1	Procedural and organizational basis of the forensic medical examination of the Russian Federation and the Kyrgyz Republic. Objects of forensic medical examination. The structure and content of the forensic medical examination. The main theoretical, scientific and practical provisions of the doctrine of death, the thanatogenesis of death and the mechanism of development of post-mortal changes.
Level 2	General and particular pathophysiological and pathomorphological thanato-morphological changes and their cause-effect relationships in the mechanism of development and the onset of death or pathological changes, their names in accordance with ICD-X.
Level 3	Criteria analysis most relevant forms manifestations causal relationships pathological processes, diseases, injuries, poisonings with mechanism onset of death (tanatogenesis) and tanatomorfologiey. The principles of decoding the analysis of laboratory results for the detection and differentiation of intravital and post-mortem morphological manifestations.
Be able to:	
Level 1	Adequately evaluate the literature data relating to forensic science and related disciplines.
Level 2	Evaluate material methods, documented data, and pathogenetic chains in evaluating diseases and injuries.
Level 3	Using effective modern forensic research methods, in a logical sequence, construct sound thanatogenesis for the main types of manifestations of pathological processes of diseases and injuries ending in fatal or adverse outcome.
Own:	
Level 1	Skills to demonstrate methods of researching objects in violent and non-violent death, analysis and integration of the mechanism of development of pathological processes in various types of diseases and the thanatogenesis of death from them.
Level 2	General and particular criteria for the differential diagnosis of types of thanato- and patho-morphology.
Level 3	Modern forensic methods and skills to detect, identify and determine the clinical and morphological causal relationships in the development of harm to health. Skills to locate and establish clinical and morphological, pathological and morphological tanato- chains and logical analysis of them in the preparation of the expert opinion.

PP-6: the ability to determine the patient's main pathological conditions, symptoms, disease syndromes, nosological forms in accordance with the International Statistical Classification of Diseases and Health Problems, X revision	
Know:	
Level 1	The clinical picture, features of the course and possible complications of the most common diseases that occur in a typical form in various age groups.
Level 2	Diagnosis criteria for various diseases, injuries and injuries.
Level 3	Clinical symptoms of damage, methods and methods for determining the pathogenesis of diseases, especially the course of nosological forms.
Be able to:	
Level 1	Determine the status of the patient: collect an anamnesis, conduct a survey of the patient and / or his relatives, conduct an examination of the patient; Laboratory methods to determine the pathology.
Level 2	Assess the state of the patient for the adoption of decisions on the necessity of providing him medical assistance; conduct an initial examination of systems and organs.
Level 3	To formulate a clinical and forensic diagnosis; To examine patients with a variety of traumatic injuries, evaluate the severity of the condition and prospects of development of the pathological process as well as the time of occurrence of death and mechanism of occurrence.
Own:	
Level 1	Methods of general clinical examination.
Level 2	Macro and microscopic forensic diagnosis of pathological processes.
Level 3	Interpretation of the results of laboratory, instrumental diagnostic methods.

PK-7: readiness to conduct an examination of temporary disability, participate in a medical and social examination, and state biological death of a person
Know:

Level 1	Features of the organization of rendering medical aid when carrying out mass and sports events, in emergency situations and during disasters in times of peace and war time.
Level 2	The system of organization of the production of forensic medical examination in the Russian Federation and the Kyrgyz Republic
Level 3	The rights, duties and responsibilities of the doctor involved in the proceedings as a specialist or expert, the main methods and methods used in conducting forensic medical examination.
Be able to:	
Level 1	Apply the legal and medical aspects of stating a person's death.
Level 2	To ascertain biological and clinical death, to examine the corpse at the place of its discovery, to identify material evidence of biological origin and organize their referral for examination.
Level 3	Carry out a forensic examination of living persons and interpret the results of laboratory studies of forensic facilities
Own:	
Level 1	The correct management of medical records.
Level 2	An algorithm for issuing a detailed clinical and forensic diagnosis.
Level 3	Methods of work during the examination of victims, accused and other persons. The methodology for constructing a forensic diagnosis in determining permanent and temporary disability. Skills of stating the biological death of man.

As a result of mastering the discipline, the student must

3.1	**Know:**
3.1.1	Fundamentals of legislation on the protection of public health
3.1.2	Criminal procedural legislation and regulatory acts governing the appointment, conduct and documentation of examinations, the rights and responsibilities of forensic experts, the provisions on professional activities in the field of forensic medicine in the manufacture of the original investigation, the organizational structure of institutions of forensic examination.
3.1.3	The rules of forensic research of corpses, the rules of forensic medical determination of harm caused to health, the principles of building a forensic diagnosis and conclusions in cases of violent death and suspicion of it.
3.1.4	Basic scientific data on general and private forensic thanatology, general issues of forensic traumatology, examination of injuries of mechanical origin and from other types of external exposure, poisoning, mechanical asphyxia.
3.1.5	Have an idea of the laboratory methods of forensic medical examination of biological objects , examination of blood, sperm, hair, examination of identification of a person.
3.1.6	Criminal legislation in the field of responsibility for a crime against the life and health of citizens, responsibility for professional and professional-official offenses of medical workers
3.2	**Be able to:**
3.2.1	Conduct inspection of the corpse to the place of its discovery or incident, to establish the fact and the remoteness of death, help the investigator in the preparation of the protocol external examination of the corpse: the definition of posture of the corpse, the description of clothes, setting the floor and roughly (on the form) age, as well as cadaveric changes.
3.2.2	Describe damage the mechanical origin in accordance with accepted in forensic medicine schemes;
3.2.3	Assist the investigator in detecting, fixing, seizing and packing material evidence of biological origin, in the wording of questions that can be posed to an expert examining material evidence.
3.2.4	Examine the corpse and remove organs or parts thereof for laboratory research (forensic chemical, forensic histological, forensic biological, medical and forensic), fill out the directions for these studies and draw up the research part of the expert's report or the act of forensic medical examination of the corpse.
3.2.5	Fill out a medical death certificate.
3.2.6	Conduct a forensic examination of the victim, the accused and other persons, describe the damage found
3.3	**Own:**
3.3.1	Establishment of the fact of death.
3.3.2	Descriptions of clothing and cadaveric phenomena.
3.3.3	Detection, seizure and packaging of material evidence of biological origin.

3.3.4	Forensic investigation of a corpse, in that those under investigation bodies, tissues and cavities , depending on the cause and mechanism of the onset of death.
3.3.5	Seizures of organs, tissues or parts thereof for laboratory research (forensic biological, forensic chemical, forensic histological, medical and forensic).
3.3.6	Surveys during the forensic medical examination of the examined with the mandatory preparation of an expert opinion and conclusions.
3.3.7	Estimates of the severity of harm to health.
3.3.8	Works of expert analysis of the circumstances of the accident according to documentary data (case materials , medical documents).
3.3.9	Descriptions of damage when addressing the issue of his lifetime or posthumously their education, prescription appearance, consistency of application and mechanism of causing.
3.3.10	Descriptions of posthumous changes and judgments on them about the limitation of the onset of death.
3.3.11	Descriptions of morphological changes in tissues and internal organs in the study of a corpse.
3.3.12	Formulating a diagnosis, drawing conclusions and expert conclusions.
3.3.13	The application of the international classification of diseases, injuries and causes of death 10 revision (ICD-10).
3.3.14	The analysis presented by the investigative bodies of materials of cases in cases of attraction to the criminal liability of medical workers for the offense in their professional activity