

**MINISTRY OF SCIENCE AND HIGHER EDUCATION OF THE RUSSIAN FEDERATION
MINISTRY OF SCIENCE, HIGHER EDUCATION AND INNOVATION OF THE KYRGYZ
REPUBLIC**

Interstate Educational Organization of Higher Education
Kyrgyz-Russian Slavic University named after the first President of the Russian Federation B.N. Yeltsin

ENDORSED by
Dean of the Faculty



Infectious diseases

Abstract of discipline (Module)

Assigned to	Department of Infectious Diseases
Academic curriculum	31050150_21_56 LD ин.plx Specialty 31.05.01. - RF, 560001 - KG General medicine (for foreign students)
Mode of study	intramural
The course outline was compiled by:	<i>PhD, associate professor, head of department Kuvatova D.O., PhD, associate professor Radchenko E.A.</i>

Course hours scheduling (per semester)

Semester Academic Year	9 (5.1)		10 (5.2)		Total	
Weeks	16		16			
Type of training	AC	CO	CO	CO	AC	CO
Lectures	16	16	32	32	48	48
Practical sessions	64	64	64	64	128	128
Contact work during theoretical training	0,3	0,3			0,3	0,3
Contact work during the examination session			0,5	0,5	0,5	0,5
Including	4	4	5	5	9	9
Total in-class	80	80	96	96	176	176
Face-to-face learning	80,3	80,3	96,5	96,5	176,8	176,8
Student's individual	63,7	63,7	48	48	111,7	111,7
Tests			35,5	35,5	35,5	35,5
Total	144	144	180	180	324	324

1. COURSE OUTLINE OBJECTIVES

1.1	Formation of knowledge, experiences and practical skills required for early diagnosis of infectious diseases, carrying out of a complex of therapeutic and preventive measures, diagnosis of urgent conditions at the pre- and hospital stages of medical care.
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2. THE PLACE OF THE COURSE IN THE EDUCATIONAL PROGRAMM

Educational program units:	
2.1	Students' preliminary training requirements:
2.1.1	Microbiology, virology
2.1.2	Immunology
2.1.3	Pharmacology
2.1.4	Pathophysiology, clinical pathophysiology
2.1.5	Epidemiology
2.1.6	Propaedeutics of internal diseases
2.2	Course units and practical sessions imposing prior Proficiency:
2.2.1	Practice of a general medical profile (Doctor's assistant of an outpatient clinic)
2.2.2	Emergency Medicine Practice (Emergency Physician Assistant)
2.2.3	Therapy
2.2.4	Surgery
2.2.5	Preparation for passing and passing the state exam

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

GPC-7: Able to prescribe treatment and monitor its effectiveness and safety

Knowledge:

Level 1	Methods of drug and non-drug treatment, indications for the use of medical devices for the most common diseases.
Level 2	Groups of drugs used to provide medical care in the treatment of the most common diseases; their mechanism of action, medical indications and contraindications for use.
Level 3	compatibility, possible complications, side effects, adverse reactions, including serious and unexpected ones; features of providing medical care in emergency situations.

Skills:

Level 1	Develop a treatment plan for children and adults with the most common diseases in accordance with the procedures for providing medical care.
Level 2	Follow clinical guidelines, considering standards of medical care.
Level 3	To prevent or eliminate complications, side effects, adverse reactions, including unexpected ones, arising because of diagnostic or therapeutic manipulations, the use of drugs and/or medical devices, non-drug treatment.

Expertise:

Level 1	Experience in developing a treatment plan for children and adults with the most common diseases in accordance with current procedures for providing medical care, clinical guidelines, and considering standards of medical care.
Level 2	Skills in providing emergency and urgent medical care to patients with the most common diseases, in accordance with current procedures for providing medical care, clinical guidelines, considering standards of medical care;
Level 3	Selection and prescription of medications, medical devices for the most common diseases for the treatment of the most common diseases in children and adults in accordance with current procedures for providing medical care, clinical guidelines, considering standards of medical care.

PC-4: Readiness to collect and analyze patient complaints, medical history data, examination results, laboratory, instrumental, pathological and other studies in order to recognize the condition or establish the presence or absence of a disease

Knowledge:

Level 1	Methods of collecting and analyzing patient complaints, patient history data, indications and contraindications for additional clinical and paraclinical methods of examining the patient; Etiology and pathogenesis, clinical manifestations and diagnosis of major infectious diseases;
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Skills:

Level 1	Collect and analyze patient complaints, data from his anamnesis; prescribe laboratory, instrumental, pathological and other studies to recognize the condition or establish the presence or absence of an infectious disease.
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Expertise:

Level 1	Skills for critically assessing the results of laboratory and pathological studies to recognize a condition or establish the presence or absence of an infectious disease, principles of medical ethics and deontology when interacting with patients.
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PC-5: the ability to determine the patient's main pathological conditions, symptoms, disease syndromes, nosologies in accordance with the International Statistical Classification of Diseases and Related Health Problems, 10th revision.	
Knowledge:	
Level 1	The main methods of examination of pathological conditions, symptoms and syndromes of various nosology forms.
Level 2	Specificity of detection of various pathological conditions, symptoms, syndromes of diseases, nosology forms in accordance with ICD-10 (international classification of diseases-10).
Level 3	The main syndromes of organs and systems damage and their specificity at various nosology forms in accordance with ICD-10.
Skills:	
Level 1	Interpret the results of the examination of various infections;
Level 2	Analyze various types of pathological conditions, symptoms, syndromes in various infections in accordance with ICD-10;
Level 3	Differentiate symptoms and syndromes with similar pathological conditions.
Expertise:	
Level 1	Common clinical examination methods (history taking, examination, palpation, percussion, auscultation);
Level 2	Skills to identify various symptoms, syndromes and pathological conditions in various infections in accordance with ICD-10;
Level 3	Skills to substantiate clinical diagnosis in accordance with ICD-10.

PC-7: Capable of determining the method of managing patients with various nosologies	
Knowledge:	
Level 1	The specifics of collecting an anamnesis of an infectious patient;
Level 2	The main clinical manifestations of nosological forms of infectious pathology;
Level 3	The basic principles of treatment and rehabilitation in infectious pathology.
Skills:	
Level 1	Take anamnesis and plan of laboratory and instrumental examination;
Level 2	Interpret the results of the examination of the infectious patient;
Level 3	Develop a plan for the treatment and rehabilitation of the infectious patient.
Expertise:	
Level 1	Physical examination methods (history taking, examination, palpation, percussion, auscultation) of the infectious patient;
Level 2	Skill of a substantiation of the clinical diagnosis of the infectious patient;
Level 3	Skills of etiologic, pathogenetic and specific therapy in infectious diseases.

PC-8: Readiness to manage and treat patients with various nosologies in outpatient and day hospital settings	
Knowledge:	
Level 1	Structural organization of the infectious disease service, principles of the structure and operation of infectious disease hospitals, departments, and boxes.
Level 2	The main issues of pathogenesis and clinical manifestations (symptoms, syndromes) of infectious diseases
Level 3	Basic principles of treatment and rehabilitation in infectious pathology.
Skills:	
Level 1	Assess the severity of an infectious disease and be able to predict its course and outcome.
Level 2	To diagnose emergency conditions in an infectious patient, as well as to determine follow-up medical support in life-threatening conditions.
Level 3	Formulate a diagnosis in accordance with the requirements of the ICD.
Expertise:	
Level 1	Skills in providing a range of therapeutic and preventive measures at the pre- and hospital stages.
Level 2	Skill in providing emergency (urgent) and first medical aid for infectious diseases.
Level 3	In methods of examining a patient with infectious pathology (inspection, palpation, percussion, auscultation).

PC-11: Ready to participate in providing emergency medical care in conditions requiring urgent medical intervention	
Knowledge:	
Level 1	Types of emergency care for infectious diseases.
Level 2	Algorithm for providing emergency care for infectious diseases.
Level 3	Features of treatment of emergency conditions in infectious pathology.

Skills:	
Level 1	Determine the tactics of emergency care in infectious pathology.
Level 2	Use the algorithm for providing emergency care in infectious pathology.
Level 3	treat emergency conditions in infectious diseases.
Expertise:	
Level 1	Principles of providing emergency care in infectious pathology.
Level 2	Algorithm for providing emergency care in infectious pathology.
Level 3	Skills in providing emergency care in urgent conditions of infectious pathology.

PC-14: Ability to maintain medical records.

Knowledge:	
Level 1	List of accounting and reporting medical documentation in medical organizations.
Level 2	Characteristics of accounting and reporting medical documentation in infectious disease medical organizations.
Level 3	Regulatory documentation adopted in healthcare, as well as documentation for assessing the quality and effectiveness of medical organizations.
Skills:	
Level 1	To navigate the current regulatory legal acts on labor and apply labor legislation in specific practical situations
Level 2	Prepare medical documentation in accordance with regulatory acts
Level 3	Maintain medical records of various types in medical organizations.
Expertise:	
Level 1	Skills in working with accounting and reporting documentation of various types in medical institutions.
Level 2	Skills in comparative characterization of medical documentation of various types in medical institutions.
Level 3	Methods of maintaining medical records of various types in outpatient and inpatient institutions.

Final student's competences

3.1	Knowledge:
The structure of the infectious service, organization and work principles of infectious diseases hospitals, departments, wards; The main issues of the pathogenesis of infectious diseases; The main clinical manifestations (symptoms, syndromes) of studied infectious diseases; The main methods of laboratory and instrumental diagnostics used in infectiology (indications, theoretical basis of the method, interpretation of results); Rules for the collection of pathological materials from an infectious patient; The main principles of treatment of infectious diseases; Indications for hospitalization of an infectious patient; Specific and nonspecific prevention of studied infectious diseases.	
3.2	Skills:
Take diseases and life history (including epidemiological history) of an infectious patient; Create an algorithm for diagnosis, laboratory and instrumental examination plan; Interpret the results of laboratory and instrumental examination of the patient; Highlight leading clinical and clinical laboratory syndromes; To make a differential diagnosis between various diseases with similar clinical symptoms; Assess the severity of an infectious disease; Predict the course and outcome of an infectious disease; To diagnose emergency conditions in infectious patients, as well as to determine further medical caring in life-threatening conditions; Formulate a diagnosis in accordance with the ICD-10.	
3.3	Expertise:
Methods of examination of the infectious patient (examination, palpation, percussion, auscultation); Skills of differential diagnosis of symptoms and syndromes characteristic of infectious diseases; Helping skills of medical and preventive measures at the pre- and hospital stages of caring; Skills in providing urgent (emergency) and first aid in case of infectious pathology;	