

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



ENDORSED BY VICE RECTOR

28 " 02 2023г.

# Emergency medicine

Course Outline (Module)

Assigned to Emergence Medicine

Academic Curriculum 560001\_23\_1 LDi.plx

560001 KR General medicine (for foreign student)

Mode of Study Specialist

**Intramural**

Total Credit Value

**2 credit points**

Candidate of Medical Sciences, Head of the Department, Associate Professor, Idirisov A.N., Candidate of Medical Sciences, Associate Professor, Nurseitov T.M., Senior Lecturer, Kozdrovich V.P.

Semester Academic Year	9		Total	
	16			
Type of Training	AC	CO	AC	CO
Lectures	18	18	18	18
Practical Session	18	18	18	18
Contact work during the examination session	0,3	0,3	0,3	0,3
Including Interactive Session	3	3	3	3
Total In-class Session	36	36	36	36
Individual Work	35,7	35,7	35,7	3,7
Total	72	72	72	72

## 1. COURSE OUTLINE OBJECTIVES

1.1	Preparation of students studying in the specialty "General medicine" of higher professional medical education to work to provide medical care to the affected population and the principles of organizing and working in specialized clinics in emergency situations of military and peacetime, and also to practical fulfillment of functional duties in specialized clinics and medical institutions of general profile. Forming students' skills in providing first aid at pre-hospital stage to those who suffered in emergency situations of military and peacetime.
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## 2. PLACE OF THE COURSE IN THE EDUCATIONAL PROGRAM

Educational Program Units:	1. . .08.02
<b>2.1</b>	<b>Students' Preliminary Training Requirements:</b>
2.1.1	General surgery
2.1.2	Pathological anatomy
2.1.3	Pathophysiology, clinical pathophysiology
2.1.4	Propaedeutics of internal diseases
2.1.5	Topographic anatomy and operative surgery
2.1.6	Pharmacology
2.1.7	Microbiology, Virology
2.1.8	Immunology
2.1.9	Medical Law
2.1.10	Anatomy
2.1.11	Medical biology
2.1.12	Educational practice in obtaining primary professional skills , including primary skills and research activities (General care for surgical patients)
2.1.13	Educational practice in obtaining primary professional skills , including primary skills and research activities (General care for therapeutic patients)
<b>2.2</b>	<b>Course Units and Practical Sessions imposing the prior Proficiency</b>
2.2.1	Basics of emergency care. Emergency conditions in surgery. Emergency conditions in therapy
2.2.2	Hygiene
2.2.3	Radiation diagnostics
2.2.4	Neurology, medical genetics, neurosurgery
2.2.5	Faculty Surgery
2.2.6	Epidemiology
2.2.7	Occupational diseases

2.2.8	General and medical psychology
2.2.9	Hospital Surgery
2.2.10	Hospital Therapy
2.2.11	Infectious Diseases with a course in tropical infectious diseases
2.2.12	Traumatology, orthopedics
2.2.13	Pediatric surgery with a course in pediatric traumatology
2.2.14	Evidence-Based Medicine
2.2.15	Forensic Medicine
2.2.16	Anaesthesiology, resuscitation, intensive care
2.2.17	Final state certification

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

**PC-13: the ability and readiness for carrying out anti-epidemic measures, the organization of protection of the population in the foci of particularly dangerous infections, with deterioration of the radiation situation, natural disasters and other emergencies.**

#### Final Students' Competences

<b>3.1</b>	<b>Knowledge:</b>
	Objectives, aims of sanitary and epidemiological survey of the population of emergency situations.
	Organization of anti-epidemic measures in emergency situations of various kinds.
	Tasks and organization of a network of observation and laboratory control.
<b>3.2</b>	<b>Skills:</b>
	Carry out measures to prevent the occurrence and spread of infectious diseases.
	Identify infectious patients, their isolation, and hospitalization.
	Carry out recording and sanitation of carriers of pathogens, analysis of the dynamics and structure of morbidity by epidemiological features.
<b>3.3</b>	<b>Expertise:</b>
	The methods of interviewing patients, victims, representatives of the local population and medical workers in emergency situations (emergency situations) in the center.
	Emergency prevention in the event of an emergency.
	Methods of disinfection of foci (disinfection, disinsection and deratization).

**PC-30: capable and ready to organize medical assistance in emergency situations, including medical evacuation.**

<b>3.1</b>	<b>Knowledge:</b>
	Basic of medical-evacuation activities in emergency situations.

	Types of emergency situations (ES) peacetime - man-made, biological, social, their traumatic factors and types of possible injuries in people as a result of these emergency situations (ES).
	Preparation of health facilities for work in emergency situations (ES) of civil and military time. Features of health facilities in emergency situations of civil and military time.
<b>3.2</b>	<b>Skills:</b>
	Conduct medical sorting
	To characterize the medical and tactical situation of various types of emergency situations (ES).
	Provide first medical assistance to victims in emergency situations (ES).
<b>3.3</b>	<b>Expertise:</b>
	The methods of providing first aid to the affected, sick, wounded in the emergency situations of military and peacetime
	The main technical means of cardiopulmonary resuscitation, individual and medical means of protection.
	The methods of rendering pre-medical care to victims in the lesions of emergencies.

### Final Students' Competences

<b>3.1</b>	<b>Knowledge:</b>
3.1.1	-ethiology and pathogenesis of emergency conditions;
3.1.2	-basic parameters of vital activity;
3.1.3	- Features of diagnostics of emergency conditions;
3.1.4	-algorithm of the doctor's action in the event of emergence of emergency conditions at the pre-hospital stage;
3.1.5	-the principles of emergency medical care in terminal conditions at the pre-hospital stage;
3.1.6	-principles of pharmacotherapy in emergency conditions at the pre-hospital stage;
3.1.7	-rules, principles and types of transportation of patients to a medical and preventive institution;
3.1.8	- the rule of filling out medical records;
3.1.9	- principles of the organization, tasks, forces and means of service of medicine of catastrophes and medical service of civil defense;
3.1.10	-classification of emergencies, the main striking factors and medical and tactical characteristics of natural and man-made disasters;
3.1.11	-the bases of medical-evacuation support of the affected population in emergency situations;
3.1.12	-principles of ensuring the sustainability of economic facilities, forecasting the development of events and assessing the consequences of man-made emergencies and natural disasters;
3.1.13	-the main sanitary and hygienic and anti-epidemic measures, conducted in the provision of emergency medical care at the pre-hospital stage and in emergency situations.
<b>3.2</b>	<b>Skills:</b>
3.2.1	- to conduct a patient's examination in emergency situations at the pre-hospital stage;

3.2.2	-to determine the severity of the patient's condition;
3.2.3	-sign leading syndrome;
3.2.4	- carry out differential diagnostics;
3.2.5	-work with portable diagnostic and resuscitation equipment;
3.2.6	-show posidromromic emergency medical care;
3.2.7	- evaluate the effectiveness of emergency medical care;
3.2.8	- conduct cardiopulmonary resuscitation;
3.2.9	- to control the basic parameters of vital activity;
3.2.10	-to carry out pharmacotherapy at the pre-hospital stage;
3.2.11	- to determine the indications for hospitalization and to transport the patient;
3.2.12	-to monitor at all stages of pre-hospital care;
3.2.14	-organize the work of the emergency medical care team;
3.2.15	-to teach self-help and mutual help;
3.2.17	-organize and conduct medical sorting, the first medical, first aid in emergency situations;
3.2.18	-to use collective and individual means of protection;
<b>3.3</b>	<b>Expertise:</b>
3.3.1	-conducting clinical examination in emergency conditions at the pre-hospital stage;
3.3.2	- determination of the severity of the patient's condition and the current leading syndrome;
3.3.3	- differential diagnosis of diseases;
3.3.4	-work with portable diagnostic and resuscitation equipment;
3.3.5	-indication of a post-emergency medical emergency;
3.3.6	- determination of indications for hospitalization and transportation of the patient;
3.3.7	- emergency medical care for various types of damage;