



Некоммерческое образовательное учреждение  
Учебно-научно-производственный комплекс  
«Международный университет Кыргызстана»

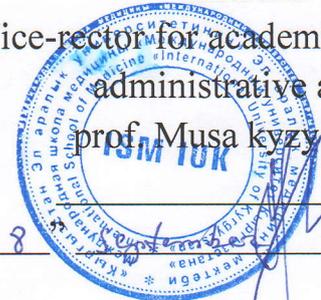
Система менеджмента качества  
Учебно-методический комплекс дисциплины «Хирургия»  
ООП «Лечебное дело» МШМ МУК

**International University of Kyrgyzstan  
International School of Medicine  
Department of “Surgery”**



**“APPROVED”**

Vice-rector for academic and  
administrative affairs  
prof. Musa kyzy Alina



“ 8 ” 2021

**ACADEMIC-METHODOLOGICAL COMPLEX  
OF THE DISCIPLINE**

**“Surgery”**

main educational program

specialty of **General Medicine (for foreign citizens)**

graduate qualification: general practitioner

**Bishkek 2021**



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**THE WORK PROGRAM OF THE DISCIPLINE  
"SURGERY"**

main educational program

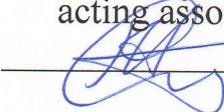
specialty of **General Medicine (for foreign citizens)**

graduate qualification: general practitioner

Full-time education

Course	4
Semester	7
Credit / Exam (semester)	7
Total credits for curriculum	7
Total curriculum hours	252

Work program developer:  
Niyazov K.A.

Reviewed and approved at a meeting of  
the department "Surgery"  
Minutes No. 1 from "6" September 2021.  
Head of the Department,  
Candidate of Medical Sciences,  
acting associate prof. Alymkulov M.Ch.  
 (signature)

**Bishkek 2021**



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**The work program is agreed** with the academic and methodological sector of the ISM AMD,

Chairman of the AMD Otorova A.A.  
(Full name)

[Signature]  
(signature)

« 8 » September 2021

**The work program is agreed** with the head of the main educational program in the direction / specialty \_\_\_\_\_

General medicine

(code, name of the specialty/direction)

Head of the MEP Azimov B.R.  
(Full name)

[Signature]  
(signature)

« 8 » September 2021

**External review given by** candidate of medical sciences Konurbayeva Zh.T.  
„ Faculty Surgery” by KSMA named J.K. Akhmedov.  
(place of work, position, academic degree, academic title, full name)

« 07 » September 2021 (the review is attached)

**The work program is agreed** with the ISM “IUK” Quality and Monitoring Department

Head of the QMD /AMD Khabitova M.V.  
(Full name)

[Signature]  
(signature)

« 8 » September 2021



### 1.1. Explanatory note

**Mission of the ISM IUK** – *training of competent specialists in the field of medicine, consistent with international standards and traditions of medical ethics, ready for continuous professional growth using modern achievements of science and practice, to solve public health problems.*

#### **Academic discipline annotation(добавить по предмету)**

- **Goals and objectives of the discipline:**

The goal of mastering the educational discipline "Surgery" is to develop the ability to make a surgical diagnosis with justification of treatment and preventive measures, to provide emergency medical care in emergency conditions, to master the knowledge of diagnostics, as well as the principles of treatment and prevention of surgical diseases.

#### **Discipline objectives:**

- acquisition by students of knowledge in the field of pathogenesis, etiology and preventive measures for the most common surgical diseases;
- teaching students to formulate a detailed clinical diagnosis, justify it on
- based on differential diagnosis. teaching students the ability to identify the leading symptoms of the disease;
- teaching students surgical methods of examining patients, determining the severity of the patient's condition;
- teaching students the choice of optimal examination methods for surgical diseases;
- training students to provide surgical patients with first aid in case of emergency;
- teaching students to choose the optimal treatment regimens for the most common surgical diseases;
- teaching students the principles of rehabilitation of surgical patients;
- teaching students how to draw up medical documentation, a certificate of incapacity for work;
- acquaintance of students with the principles of organizing the work of a surgical hospital and a polyclinic; -forming skills in the study of scientific literature;
- development of communication skills with surgical patients, taking into account ethics and deontology;
- forming students' communication skills with the team.

**The place of discipline in the structure of the main professional educational program.**



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This discipline is studied by students of the specialty General Medicine (for foreign citizens) and is included in the mandatory scope of the studied disciplines of the State Educational Institution of Higher Professional Education.

**Requirements for the preliminary preparation of the student:**

To study this academic discipline, the following knowledge, skills and abilities are required, formed by the previous disciplines:

- Topographic anatomy and operative surgery
- General surgery
- Pathological anatomy, clinical pathological anatomy
- Propedeutics of internal diseases
- Pharmacology
- Radiation diagnostics
- Clinical biochemistry
- Microbiology, Virology
- Normal physiology
- Anatomy
- Histology, embryology, cytology

**Formed competencies, as well as a list of planned learning outcomes in the discipline (knowledge, skills, possession), formulated in a competence-based format**

**- Competencies of students, formed as a result of mastering the discipline, the planned results of mastering the discipline -**

A graduate in the specialty "General Medicine" with the assignment of the qualification of a specialist "General practitioner" in accordance with the State Educational Standard of Higher Professional Education and General Education and the tasks of professional activity, must have the following professional competencies:

<b>Содержание компетенции</b>	
<b>PC-4</b>	is able to apply the methods of asepsis and antiseptics, use medical instruments, master the technique of caring for sick adults and children;
<b>APC-1</b>	able to apply specialized skills when solving problems in unpredictable conditions



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<b>APC-2</b>	Able to be responsible for decisions made in the diagnosis, treatment and rehabilitation of patients.
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RT6 - The ability to learn throughout life and apply basic knowledge in the field of fundamental disciplines in professional activities for the timely diagnosis and choice of therapy tactics.

After mastering the discipline "Surgery" the student:

will know

- anatomical and physiological, age-sex and individual characteristics of the structure and development of a healthy and sick person;
- the basics of organizing outpatient and inpatient care for children, adolescents and adults, modern organizational forms of work and diagnostic capabilities of outpatient services;

will be able to use

- methods of general clinical examination of surgical patients;
- the main research methods to identify signs of lesions, clinical symptoms of gastrointestinal disorders.
- modern surgical technologies, surgical interventions, endo and laparoscopic diagnostic and treatment methods in surgery.

will be able to analyze

- data of physical examination of a patient of various ages (examination, palpation, auscultation, blood pressure measurement, determination of pulse characteristics, respiratory rate, etc.) when making a clinical diagnosis;

will be able to synthesize

- the results of laboratory and functional diagnostics methods, thermometry, clinical examination data, symptoms and syndromes to identify pathological processes in human organs and systems;

will be able to assess

- results of laboratory, instrumental diagnostic methods in patients;
- the patient's condition, the severity of the disease.



- the use of medical devices provided for by the procedures for the provision of medical care to patients;
- peculiarities of providing medical care to adults and adolescents in case of emergency conditions;
- methods of medical statistics; massive infectious and non-infectious diseases; health promotion methods; methods of disease prevention; methods of carrying out sanitary and educational work;
- the clinical picture, features of the course and possible complications of the most common diseases occurring in a typical form in the adult population;
- classification and main characteristics of medicines, pharmacodynamics and pharmacokinetics, indications and contraindications for the use of medicines; side effects;
- methods of carrying out urgent measures and indications for hospitalization of patients of different ages;

### **1.2. Recommended educational technologies**

For the development of students of the academic discipline "Faculty Surgery", the acquisition of knowledge and the formation of professional competencies, the following educational technologies are used:

- lecture with elements of discussion, problem statement;
- lectures - electronic presentations;
- analysis of specific situations;
- role play "doctor - patient";
- lecture-visualization,
- problem lecture,
- lesson-conference,
- training,
- debates,
- brainstorm,
- Master Class,
- small group method,



- classes using simulators, simulators,
- computer simulation,
- analysis of clinical cases,
- situational tasks,
- preparation and protection of medical history,
- use of computer training programs,
- interactive atlases,
- attendance at medical conferences, consultations,
- participation in scientific and practical conferences, congresses, symposia,
- educational and research work of a student,
- conducting subject Olympiads,
- preparation of written analytical works,
- preparation and defense of abstracts,

### 1.3. The scope of the discipline and types of educational work

According to the curriculum 2021	7sem.	Total	
		in hours	in credits
<b>Total labor intensity</b>	<b>252</b>	<b>252</b>	<b>7</b>
<b>Classroom work</b>			
Lectures	60	60	
Practical classes	80	80	
Seminars			
Laboratory works			
<b>Independent work</b>	<b>112</b>	<b>112</b>	
SIW	56	56	
SIWT	56	56	
<b>Final control type</b>	credit		