

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

Kyrgyz-Russian Slavic University  
named after the first President of the Russian Federation B.N. Yeltsin



## Research work

### Course Annotation (module)

Assigned to **Department of Therapy No. 2 (specialty “General Medicine”)**

Syllabus 25\_1 ld in.plx  
560001 General Medicine (For international students)

Qualification **Physician (General Medicine)**

Form of study **Intramural (full-time)**

The program was compiled by: Senior Lecturer, Davuzov R.R.;  
PhD, Senior Lecturer, Kinvanlun I.G.

#### Distribution of course hours by semester

Semester (<Course>.<Semester in the course>)	9 (5.1)		Total	
	UP	RP		
Weeks	16			
Type of activity	UP	RP	UP	RP
Practical	18	18	18	18
Total auditorium	18	18	18	18
Contact work	18	18	18	18
The work itself	12	12	12	12
Total	30	30	30	30

### 1. OBJECTIVES OF LEARNING THE DISCIPLINE

1.1	Improving the level of students' training through their acquisition of methods, techniques and skills during the learning process
1.2	carrying out research work, developing their creative abilities, independence, initiative in
1.3	studies and future professional activities within the framework of specialty 31.05.01 "General Medicine".

### 2. PLACE OF DISCIPLINE IN THE STRUCTURE OF THE OOP

OOP cycle (section):		FTD
<b>2.1</b>	<b>Requirements for preliminary preparation of the student:</b>	
2.1.1	Outpatient therapy	
2.1.2	Evidence-based medicine	
2.1.3	Clinical practice (Assistant physician of an outpatient clinic)	
2.1.4	Clinical Practice (Assistant to an Emergency and Urgent Care Physician)	
2.1.5	Research work	
2.1.6	Clinical pharmacology	
2.1.7	Psychiatry, medical psychology	
2.1.8	Faculty therapy	
2.1.9	Endocrinology	
2.1.10	Radiation diagnostics	
2.1.11	Pathophysiology, clinical pathophysiology	
2.1.12	Pathological anatomy	
2.1.13	Propaedeutics of internal diseases	
2.1.14	Immunology	
2.1.15	Normal physiology	
<b>2.2</b>	<b>Disciplines and practices for which mastery of this discipline (module) is necessary as a prerequisite:</b>	
2.2.1	Infectious diseases	
2.2.2	Clinical practice (Assistant physician of an outpatient clinic)	
2.2.3	Clinical Practice (Assistant to an Emergency and Urgent Care Physician)	
2.2.4	Clinical pharmacology	
2.2.5	Research work	
2.2.6	Evidence-based medicine	
2.2.7	Outpatient therapy	
2.2.8	Family medicine	
2.2.9	Preparing for and passing the state exam	
2.2.10	Standards of diagnosis and treatment	

### 3. STUDENT COMPETENCIES DEVELOPED AS A RESULT OF LEARNING A DISCIPLINE (MODULE)

#### PC-21: Capable and willing to plan and conduct scientific research.

**Know:**

modern methods of scientific research, stages and principles of organizing scientific research;  
 requirements for the design of scientific research works (SRW), including ethical standards, citation, anti-plagiarism;  
 rules for formulating a scientific problem, hypothesis, goals and objectives of the research;  
 basic biostatistical methods of data processing and software for their analysis;  
 requirements for scientific publication, structure of a scientific article, abstract, research report;  
 modern sources of scientific information (PubMed, Scopus, Web of Science, etc.).

**Be able to:**

formulate a scientific problem, goal, hypothesis and research objectives;  
 conduct a search and critical evaluation of scientific literature, use the evidence base (EBM);

develop a research plan, select methods and tools for data collection;

apply biostatistical methods to analyze results (descriptive statistics, reliability criteria, correlation, etc.);

interpret the obtained data and draw scientifically based conclusions;

present the research results in the form of a report, paper, article, or presentation.

**Own:**

skills to conduct independent scientific research under the guidance of a supervisor;

methods of statistical data processing in available programs (Excel, SPSS, R, MedCalc, etc.);

skills in preparing scientific publications, theses, posters and presentations;

skills in applying the principles of evidence-based medicine in scientific work;

skills in public presentation of research results.

**As a result of mastering the discipline, the student must****3.1 Know:**

modern methods of scientific research, stages and principles of organizing scientific research;

requirements for the design of scientific research works (SRW), including ethical standards, citation, anti-plagiarism;

rules for formulating a scientific problem, hypothesis, goals and objectives of the research;

basic biostatistical methods of data processing and software for their analysis;

requirements for scientific publication, structure of a scientific article, abstract, research report;

modern sources of scientific information (PubMed, Scopus, Web of Science, etc.).

**3.2 Be able to:**

formulate a scientific problem, goal, hypothesis and research objectives;

conduct a search and critical evaluation of scientific literature, use the evidence base (EBM);

develop a research plan, select methods and tools for data collection;

apply biostatistical methods to analyze results (descriptive statistics, reliability criteria, correlation, etc.);

interpret the obtained data and draw scientifically based conclusions;

present the research results in the form of a report, paper, article, or presentation.

**3.3 Own:**

skills to conduct independent scientific research under the guidance of a supervisor;

methods of statistical data processing in available programs (Excel, SPSS, R, MedCalc, etc.);

skills in preparing scientific publications, theses, posters and presentations;

skills in applying the principles of evidence-based medicine in scientific work;

skills in public presentation of research results.