



APPROVED
EMD decision

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Protocol No. 6

Chairman of the EMD Vice-Rector,
candidate of pedagogical sciences,
associate professor Apezoova D.U.



SYLLABUS by discipline

E.3.9.17. CORONAVIRUS (COVID-19): NEW CHALLENGES

For students of the educational program, higher professional education in the specialty 560001 "General Medicine" (5-year education) in the specialty "Doctor"

Type of study work	Total hours
course	4
Semester	8
Number of weeks	18
Credits	3
The total complexity of the discipline	90
Classroom/practical studies (PS)	36
Student Independent Work (SIW)	54
Forms of control	
current control	Testing, oral questioning, written test
Frontier control	Testing
Midterm	Testing
Final control	exam
Semester rating by discipline:	Point-rating system

Information about the teacher of the academic discipline

Full Name	Ototonova Jyldyz Kadyrovna
Post	Teacher
Academic degree	
Academic title	
Email address	
Location of the department (address)	KR, Bishkek, st. Shabdan Baatyr 128, floor 2, room 6
Telephone	0555925xxx
Consultation hours	11.00-13.30

Characteristics of the academic discipline

The purpose of studying the discipline. The course of the discipline is aimed at determining the infectious disease, the causative agent of the infection, students study the clinical variants of the disease, risk factors in adults and children, the affected systems, specific prevention, due to the need to improve the professional competencies of doctors in the context of a pandemic of a new coronavirus infection COVID-19. Students learn how to isolate patients in boxed rooms and wards of an infectious diseases in a hospital.

Learn about the measures aimed at the mechanism of transmission of the infectious agent. They study in depth the criteria for determining a case of COVID-19, the classification of COVID-19 according to severity, consider methods for diagnosing COVID-19, including instrumental diagnostics, laboratory diagnostics, physical examination, differential diagnostics. Various options for the treatment of COVID-19, such as pathogenetic treatment, the specifics of the treatment of COVID-19 in pregnant women, women in childbirth and puerperas. The use of antibiotic therapy for COVID-19.

By the end of the course, students should know the basic principles of the treatment of emergency conditions COVID-19, be able to work with special groups of patients (patients with arterial hypertension, diabetes mellitus, with acute coronary syndrome). Students can demonstrate monitoring of clinical and laboratory parameters, know the procedure for discharging patients from a medical organization. Students can provide medical care at the outpatient stage, know the specifics of managing children with COVID-19, and apply non-specific prevention measures. To carry out medical prophylaxis, measures to prevent the spread of COVID-19 in a medical organization.

It is rational to use personal protective equipment in medical organizations. Know the procedure for conducting pathoanatomical autopsies, the procedure for organizing medical care. Apply the skills of routing patients and persons with suspected COVID-19, the procedure for organizing medical care in a hospital setting. Apply the basic principles of outpatient care for patients diagnosed with COVID-19, maintain a record of patients with COVID-19. Demonstrate possible treatment regimens depending on the severity of the disease.

Discipline Prerequisites:

- Faculty therapy
- Hospital therapy
- Outpatient therapy
- Childhood diseases
- Surgical diseases
- Urology
- Obstetrics and gynecology
- Family Medicine
- Fundamentals of the psychology of communication and medical communication

Postrequisites of the discipline:

- Hospital Physician Assistant
- Epidemiology, OPH

Learning outcomes of the discipline according to the RO GPP

The study of the discipline of microbiology, virology and immunology will contribute to the achievement of learning outcomes (RE) of the GEP:

RE-13- Demonstrate honesty and integrity in dealing with patients and their families and colleagues by maintaining medical secrecy and confidentiality in their professional lives.

Within the framework of this discipline, it is expected to achieve the following learning outcomes of the discipline, which are implemented as part of the achievement of competencies:

PC-10: able and ready to carry out preventive measures to prevent infectious, parasitic and non-communicable diseases.

Content of the discipline

№№	Name of topics
1.	Virology: basic issues, concepts, characteristics
2.	Propaedeutics of infectious diseases
3.	Quarantine and especially dangerous infections
4.	The structure of medical care for patients with infectious diseases
5.	Coronavirus infection COVID-19 and its diagnosis in patients
6.	Etiology and pathogenesis of coronavirus infection
7.	Epidemiological characteristics of coronavirus infection
8.	Diagnosis of coronavirus infection
9.	Algorithm for examining a patient with suspected COVID-19
10.	Clinical features of coronavirus infection
11.	Laboratory diagnosis of coronavirus infection

12.	Treatment of coronavirus infection COVID-19
13.	Basic Principles of Emergency Therapy
14.	Therapy of complications
15.	Intensive care for acute respiratory failure
16.	Prevention of coronavirus infection and routing of patients with suspected COVID-19 and cases of coronavirus infection
17.	Prevention of coronavirus infection
18.	Principles of prevention of coronavirus infection
19.	Non-specific prevention of coronavirus infection
20.	Drug prevention in adults
21.	Routing of patients and ill or suspected COVID-19 patients

List of main and additional literature:

Main literature:

1. Handbook for prevention and treatment of COVID-19. First Clinical Hospital Zhejiang University Faculty of Medicine / ed. Professor Tingbo Liang. – Zhejiang: 2020
2. Infectious diseases. Ed. N.D. Yushchuk, Yu.Ya. Vengerov. – M.: GEOTAR-Media, 2017

Additional literature:

1. Atlas of infectious diseases. Ed. IN AND. Luchsheva, S.N. Zharova, V.V. Nikiforov. – M.: GEOTAR-Media, 2014.
2. Begaidarova R.Kh. Diagnosis and differential diagnosis of infectious diseases in children. – M.: GEOTAR-Media, 2014
3. Amlaev K.R., General and particular issues of medical prevention / ed. K. R. Amlaeva, V. N. Muravieva - M.: GEOTAR Media, 2018

Internet resources:

<http://www.rosmedlib.ru/book/ISBN9785970432655.htm>
<https://www.rosminzdrav.ru/ministry/>
<https://docviewer.yandex.ru/view>
<http://www.edu.ru>
<http://www.medicina.ru>
<http://www.infectology.ru>
<http://www.journals.uchicago.edu/JAD/home.html>

Monitoring and evaluation of learning outcomes

The content of the rating system for assessing student performance

The rating assessment of students' knowledge in each academic discipline, regardless of its total labor intensity, is determined on a 100 (one hundred) - point scale and includes current, boundary, intermediate and final control.

The distribution of rating scores between types of control is established in the following ratio (according to the table of the score-rating system of assessments):

Form of control				
current (CC)*	boundary control (BC)**	mid-term exams (MC)***	Final /exam (FE)	Discipline Rating (RD)
0-100 points	0-100 points	0-100 points	0-100 points	0-100 points, with the translation of points into a letter designation

Note:

* $TK(middle) = \frac{\sum_1^n \times point}{\sum_1^n}$, where n is the number of types of classroom and extracurricular work of students in the discipline;

** $PK(middle) = \frac{\sum_1^n credit \times point}{\sum_1^n credits}$, where n is the number of modules (credits) in the discipline;

*** $IK(middle) = \frac{\sum_1^n \times point}{\sum_1^n}$, where n is the number of intermediate controls (2 controls per semester: in the middle and at the end of the semester) by discipline;

****ИК – examination conducted at the end of the study of the discipline

;

****РД = $\frac{TK_{cp}+PK_{cp}+IK_{cp}+IK}{4}$, the final rating of the results of all types of control at the end of the discipline;

GPA = $\frac{\sum_1^n \times \text{балл}}{\sum_1^n}$ where, n is the number of disciplines in the semester (for the past period of study).

A student who has not passed the current, boundary and intermediate controls to the final control (exam) is not allowed.

The current control is carried out during the period of classroom and independent work of the student on time according to the schedule, at the end of the study of the discipline, the average score of the current control (CC) is calculated. *Forms of current control can be:*

- testing (written or computerized);
- performance of individual homework assignments, abstracts and essays;
- student's work in practical (seminar) classes;
- various types of colloquia (oral, written, combined, express, etc.);
- control of performance and verification of reporting on laboratory work;
- visiting lectures and practical (seminar, laboratory) classes;
- Incentive rating (up to 10 points).

Other forms of current monitoring of results are also possible, which are determined by the teachers of the department and recorded in the work program of the discipline.

The frontier control is carried out in order to determine the results of the student's development of one credit (module) as a whole. *Frontier control* should be carried out only in writing, at the end of the study of the discipline, the average score of boundary control (BC) is calculated. As forms of *frontier control* of the training module, you can use:

- testing (including computer testing);
- interview with written fixation of students' answers;
- test.

Other forms of intermediate control of results are also possible.

Intermediate control (mid-term exams) is carried out in order to check the completeness of knowledge and skills in the material in the middle and end of the semester (2 times per semester) of studying the discipline, by the end of the study of the discipline, the average score of intermediate control (PCsr) is calculated, *forms of intermediate control (mid-term exams) can be:*

- testing (including computer testing);
- interview with written fixation of students' answers;
- test.

Other forms of intermediate control of results are also possible.

The final control is carried out during the session, by conducting an exam, it can be carried out in the following forms:

- testing (including computer testing);
- written exam (ticketing system).

Correspondence of the point-rating system of assessments used by the institute and the assessments of the European system for the transfer of credit units, labor intensity (ECTS)

Grade						Criterion
System of letters	digital system	Traditional system	Points (%)	Scored points (max - 100)	Evaluation by discipline without an exam	
A	4	5	95-100	95-100	Credited/ passed	"Excellent" - deserves a student who has shown a deep, systematic and comprehensive knowledge of the educational material, who freely performs practical tasks, who has mastered the recommended basic and additional literature on the discipline

A-	3,67		90-94	90-94		"Excellent" - deserves a student who has shown a deep, systematic and comprehensive knowledge of the educational material, who freely performs practical tasks, who has mastered the recommended basic literature on the discipline, but is not familiar with additional literature
B+	3,33	4	85-89	70-89		"Good" - exhibited to a student who has shown a systematic and comprehensive knowledge of the educational material, able to independently replenish and update this knowledge in the course of training, performing practical tasks, familiar with the main literature on the discipline
B	3,0		80-84		"Good" is given to a student who has shown a systematic and comprehensive knowledge of the educational material, who is able to independently replenish this knowledge in the course of training, performing practical tasks, but not fully familiar with the main literature on the discipline	
B-	2,67		75-79		"Good" - is given to a student who has shown the systematic nature of knowledge in the discipline, who is able to independently replenish this knowledge in the course of training, performing practical tasks, but not fully familiar with the main literature on the discipline	
C+	2,33		70-74		"Satisfactory" - is given to a student who does not have a systematic nature of knowledge in the discipline, who is not capable of independently replenishing and updating knowledge in the course of further education, performing practical tasks with errors	
C	2,0	3	65-69	50-69		"Satisfactory" - is given to a student who made mistakes in completing assignments, but who has the necessary knowledge to eliminate them under the guidance of a teacher
C-	1,67		60-64		"Satisfactory" - is set to a student who made errors in the performance of tasks, but who has the possible knowledge to eliminate them under the guidance of a teacher	
D+	1,33		55-59		"Satisfactory" - is set to a student who made errors in the performance of tasks, who does not have the necessary knowledge to eliminate them	
D-	1,0		50-54		Satisfactory" - is given to a student who has made significant errors in the performance of tasks, who does not have the necessary knowledge to eliminate them	
FX	0,5	2	25-49	Less of 50	not credited/not passed	"Unsatisfactory" - is set to a student who has not completed the task, does not have the necessary knowledge to eliminate them
F	0		0-24			"Unsatisfactory" - is set to a student who has not completed the task, does not have the necessary knowledge to eliminate them, even under the guidance of a teacher

Academic achievement requirements:

Attendance by students of all classroom classes without delay is mandatory.

In case of absence, classes are worked out in the order established by the dean's office.

If there are three passes, the teacher has the right not to allow the student to attend classes until the issue is administratively resolved.

If the absence of classes is more than 20.0% of the total number of classes, the student automatically enters the summer semester.

Note to the student:

- ✓ regularly review lecture material;
- ✓ Do not be late and do not miss classes;
- ✓ work off missed classes if you have permission from the dean's office;
- ✓ Actively participate in the classroom (individually and in groups;)
- ✓ timely and fully complete homework assignments;
- ✓ submit all assignments within the time specified by the teacher;
- ✓ independently study the material in the library and at home;
- ✓ timely and accurately fulfill the tasks of the teacher, individual tasks for the IWS to achieve learning outcomes;
- ✓ to master the basic and additional literature necessary for the study of the discipline;
- ✓ performing tasks, the student should not copy or reproduce the work of other students, scientists, practitioners, plagiarism;
- ✓ develop their intellectual and oratory skills;

In case of non-compliance with the requirements of the Memo, the student will be penalized in the form of deducting points (one point for each violated item).

If the requirements of the Memo are fully met, the student is encouraged in the form of an additional 10 points to the final control in the discipline.

Academic Integrity, Conduct and Ethics Policy:

- turn off your cell phone during class;
- Be polite;
- respect other people's opinions;
- formulate objections in the correct form;
- do not shout or raise your voice in the audience;
- independently complete all semester assignments;
- Eliminate plagiarism from your practice;

Methodical instructions.

It is recommended to organize the time required to study the discipline as follows:

When preparing for a practical lesson, you must first read the abstract with the teacher's explanations.

When performing exercises, you must first understand what you want to do in the exercise, then proceed to its implementation.

Literature work. The theoretical material of the course becomes more understandable when books are studied in addition to the abstract. After studying the main topic, it is recommended to perform several exercises.

Preparation for boundary and intermediate controls. In preparation for the boundary and intermediate control, it is necessary to study the theory: the definitions of all concepts before understanding the material and independently do several exercises.

Independent work of students is organized on all studied topics of each section. Independent work is carried out in the form of:

- work in Internet sites;
- work with basic and additional literature;
- fulfillment of written assignments;
- preparation of reports, abstracts, tables and posters on