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MINISTRY OF SCIENCE AND HIGHER EDUCATION

RUSSIAN FEDERATION

Federal State Autonomous Educational Institution of Higher Education

NORTH-CAUCASUS FEDERAL UNIVERSITY

APPROVED

Assoc. Prof. Kubanov S.I.

PhD in Medical Sciences

Dean

Faculty of Medicine and Biology

COURSE OUTLINE OF THE DISCIPLINE (MODULE)

«Forensic medicine and sectional course»

Name of the discipline (module)

- Specialty: 31.05.01 General Medicine
- Mode of training: Full-time
- Year of commencement of studies: 2026
- Delivered in Semester 6

Developed by:

Acting Head of the Department of Propaedeutics of Internal Diseases

position

Ivchenko G.S.

full name

Stavropol 2026

1. Aim and Objectives of Mastering the Discipline (Module)

- Aim of mastering the discipline: students master the basics of the subject and organizational principles of providing medical and biological knowledge to legal proceedings, acquire skills and abilities to apply a doctor's special knowledge in forensic investigative actions, master the methods of clinical and anatomical analysis of biopsy, surgical and sectional material.

- Objectives of mastering the discipline:

- students acquire knowledge in the field of forensic medicine for an informed choice of a future medical specialty and proper self-realization in the course of their upcoming professional activities;

- formation of medical expert thinking of a doctor;

- formation of knowledge of the basics of the organization of forensic medical activities in the Russian Federation;

- development of skills in recognizing and properly documenting the nature and characteristics of damage caused by various factors (physical, chemical, biological) in medical and diagnostic practice;

- formation of skills and abilities of a doctor to participate in judicial investigative actions in the investigation of crimes against life and health, sexual integrity and sexual freedom of the individual, as well as in the legal assessment of offenses in the field of medical activity;

- improving the skills of working with scientific information;

- consolidation of professional communication skills;

- mastering the methods of clinical and anatomical analysis of biopsy, surgical and sectional material;

- mastering the principles of diagnosis;

- familiarization with the tasks of the pathology department.

2. Place of the Discipline (Module) in the Structure of the Training (educational) Program

The discipline «Forensic medicine and sectional course» belongs to the compulsory part.

3. List of Potential Learning Outcomes for the Discipline (Module), Correlated with the Outcomes of Mastering the Educational Program

Code and definition of the competence	Code and definition of the indicator	Planned learning outcomes for the discipline (module) describing the stages of competency and indicator development
GPC-5. Capable of assessing morphofunctional, physiological states and pathological processes in the human body to solve professional tasks.	ID-1 GPC-5 Assesses morphofunctional and physiological states and processes in the human body at individual, group, and population levels to solve professional tasks.	Formation of clinical thinking
	ID-2 GPC-5 Identifies pathological states and processes in the human body to solve professional tasks	

4. Volume of the Academic Discipline (Module) and Control *

Volume of classes: Total: <u>3</u> ECTS credits, <u>108</u> academic hours.	Full-time type of study, in academic hours
Face-to-face work	48
Lectures / including practical training	16
Practical classes / including practical training	32
Independent work	60
Forms of control	
Credit (Pass/Fail)	

* The discipline (module) provides for the use of e-learning and remote learning technologies (unless otherwise set by the educational standard).

5. Content of the Discipline (Module), Structured by Topics (Sections) with an Indication of the Hours and Types of Classes

#	Section (topic) of the discipline and brief content	Competencies and indicators to be developed	Full-time training				Forms of current control of academic progress
			Contact work of students with the teacher / of them practical skills training, hours			Independent work, hours	
			Lectures	Practical classes	Laboratory work		
	6th semester						
1.	The subject and content of forensic medicine. Types of medical examinations. The history and subject of forensic medicine. Organizational bases of forensic medical activity in the Russian Federation. Types of medical examinations provided for by the Federal Law of the Russian Federation dated November 21, 2011 (323-FZ) "On the Basics of Public Health protection in the Russian Federation".	ID-1 GPC-5 ID-2 GPC-5	2			4	<i>Interview (discussion)</i>
2.	The development of the pathology service in Russia. Tasks, methods and organization of the work of the pathology service. The procedural foundations of forensic medical examination in the Russian Federation.	ID-1 GPC-5 ID-2 GPC-5	2	2		4	<i>Interview (discussion)</i>

	The role, organization and methods of work of the pathology service in the healthcare system. Lifetime morphological examination. The concept of biopsy and surgical material. Types of biopsies (incision, puncture, endoscopic; planned, urgent). Types of responses during biopsy examination (final diagnosis, tentative diagnosis, descriptive response; "false negative" and "false positive" responses). Methods of biopsy examination. The importance of modern morphological methods (histochemistry, immunohistochemistry, electron microscopy) in the lifetime diagnosis of diseases. Rules for the collection and labeling of surgical and biopsy materials, rules for making referrals for pathohistological examination. View current biopsies and surgical material.						
3.	Forensic medical thanatology. Examination of the corpse. Exhumation. Forensic medical examination of a corpse. Diagnosis of death from acute oxygen starvation (mechanical asphyxia). Examination of the newborn's corpse. The concept of forensic thanatology. Dying and death; their general biological, medical and legal assessment. The concept of thanatogenesis. Options for the transition from life to death (terminal states, agony, clinical and biological death). The establishment of death. Reliable signs of death. Early cadaveric phenomena (cadaveric spots, rigor mortis, cadaveric cooling, cadaveric desiccation). Late cadaverous phenomena. Methods of recording cadaverous phenomena, establishing the prescription of death. The technique of examining a corpse: external examination, autopsy, examination of	ID-1 GPC-5 ID-2 GPC-5	2	2		4	<i>Interview (discussion)</i>

	cavities and extraction of organs, the sequence of actions performed, general rules for describing organs. Features of autopsy of the deceased after surgical interventions. Rules for the removal of material for forensic chemical and forensic histological studies.						
4.	Forensic medical examination of living persons. Examination of the severity of harm to health. The reasons for the appointment of a forensic medical examination (examination) of a living person (victim, suspect, accused, witness, etc.). The reasons and organization of the examination. Examination and examination: the structure of documentation. Legal qualification of bodily injuries (Articles 111,112,115,116,117 of the Criminal Code of the Russian Federation). The concept of beatings, torment, and torture. Criteria for the severity of harm to health and rules for determining. Issues of sexual conditions: the establishment of gender, fertility, pregnancy and childbirth, the establishment of former childbirth, abortion. Expertise in crimes against the sexual integrity of the individual: rape, indecent acts. Practical training: Establishing the severity of the injury caused. An algorithm for describing injuries (bruises, abrasions, wounds) and their forensic significance. The method of examining victims. Practical training: Demonstration examination of victims; independent examination of victims and study of medical documentation with registration of the Act of forensic medical examination.	ID-1 GPC-5 ID-2 GPC-5	2	2		4	<i>Interview (discussion)</i>

5.	Forensic medical examination of victims, suspects and other persons. The reasons and organization of the forensic medical examination (examination) of victims, suspects and other persons. The grounds for conducting an expert examination are mandatory. Examination of the state of health. Establishment of the severity of the damage caused to health. The concept of beatings, torture and disfigurement. The concept of simulation and dissimulation, aggravation and de-gravation, artificial and fake diseases, self-mutilation and self-harm. Forensic medical examination of sexual conditions. The main laboratory techniques used in its production. Establishing a person's true gender and productive capacity. Diagnosis of former pregnancy and childbirth. Expertise in cases of rape, sexual assault, and other sexual crimes. The concept of sodomy and lesbianism. Expertise in the case of illegal abortion. Medical aspects of intentional infection with sexually transmitted diseases and HIV infection.	ID-1 GPC-5 ID-2 GPC-5	2	2		4	<i>Interview (discussion)</i>
6.	Forensic medical diagnosis of death from the effects of physical environmental factors (extreme temperatures, technical and atmospheric electricity, high and low atmospheric pressure, radiant energy). General and local effects on the body of high fever. Causes of death and the timing of its occurrence. Morphological evidence of high temperature exposure. General body overheating and sunstroke. Burns and burn disease. Damage caused by flames and hot liquids, incandescent gases and objects. Establishing the lifetime effect of the flame.	ID-1 GPC-5 ID-2 GPC-5		2		4	<i>Interview (discussion)</i>

	Forensic and forensic medical assessment of cremation conditions. Features of the study of the remains of a cremated corpse. General and local effects on the body of low temperature. Conditions conducive to death from general hypothermia of the body. Diagnosis of this type of death during the examination of a corpse. The glaciation of the corpse and the peculiarities of its research. Frostbite and its forensic medical assessment. General information about health disorders and death due to changes in atmospheric pressure. Pathogenesis and morphological manifestations of mountain (altitude) disease, decompression (explosive) disease and hyperbaria (lung barotrauma) and their forensic medical assessment. Electrical injury. The mechanisms of the effects of technical and atmospheric electricity on the body. Pathophysiology and thanatogenesis, morphological manifestations and conditions conducive to electric shock. Expert evidence of death from electric shock. General information about the damaging effects of radiant energy and its effects on humans. Forensic medical diagnostics of injuries and death due to radiation damage. Health disorder and death due to physical overexertion and mental trauma and their forensic evidence.						
7.	Forensic medical traumatology. The concepts of "traumatology", "trauma", "damage". Classification of damages. Environmental factors that lead to damage. Injuries and their types. Causes of death due to mechanical damage. Damage caused by blunt hard objects. Classification of TTP. Types	ID-1 GPC-5 ID-2 GPC-5	2	4		4	<i>Interview (discussion)</i>

	of deformity, Morphological characteristics of bruises, abrasions, wounds. Fractures of the tubular and flat bones. Signs of "compression", "stretching" of bone tissue. Local and structural fractures. Practical training: Description and establishment of the mechanism of formation of a long tubular bone fracture. Damage caused by sharp objects. Definition and classification of sharp objects. Mechanisms of damaging action of cutting, piercing, piercing-cutting, chopping, sawing objects. Morphological characteristics and forensic significance of these injuries. Gunshot injury. Classification of firearms. The mechanism of the shot and its damaging factors. Determining the distance of the shot. Morphology of the entrance and exit gunshot holes. Damage caused by firing a blank cartridge or shotgun pellets. Car injury. Types, mechanisms, and phases of damage in cases of hit-and-run, run-over, and injury in the vehicle interior. The concept of characteristic and specific injuries for each type of car injury.						
8.	Forensic toxicology. The concept of poisons, their classification by chemical composition and mechanisms of action. General information about poisoning with caustic poisons: pathogenesis, morphological manifestations, causes of death, laboratory diagnostics. Poisoning with destructive poisons: pathophysiology, genesis of death, morphological manifestations, diagnosis. Poisoning with hemotropic poisons: pathophysiology, genesis of death, morphological changes, diagnosis. General information about poisoning	ID-1 GPC-5 ID-2 GPC-5		2		4	<i>Interview (discussion)</i>

	with poisons that cause functional disorders. Poisoning with ethyl alcohol and alcohol-containing liquids: pathogenesis, thanatogenesis, morphology, diagnosis, the role of laboratory tests in the diagnosis of fatal and non-fatal poisoning, evaluation of research results. Poisoning by toxic chemicals. Food poisoning: classification, poisoning of bacterial and non-bacterial origin. The concept of narcotic drugs. Groups of narcotic drugs. Drug poisoning. Features of forensic medical examination in cases of fatal and non-fatal drug poisoning.						
9.	Forensic medical examination in cases of professional and occupational offenses of medical workers. The concept of morality and law is the relationship between morality and law. The concept of medical bioethics and deontology. The doctor's oath. "Fundamentals of the legislation of the Russian Federation on healthcare" on the rights, duties and responsibilities of medical workers. The concept of a crime, a misdemeanor, intent, negligence, case. Actions of a doctor in an emergency. Responsibility for professional and occupational offenses of medical workers under the Criminal Code of the Russian Federation. Medical errors: definition, types of medical errors, their causes. Cases (accidents) in medical practice. Forensic medical examination in cases of bringing medical workers to responsibility for professional and professional-official offenses. Expert commissions, their composition, typical issues resolved during the	ID-1 GPC-5 ID-2 GPC-5	2	2		4	<i>Interview (discussion)</i>

	examination, the limits of competence. The importance of forensic medical examination materials for the analysis and prevention of defects in the therapeutic and diagnostic work of medical institutions. The reasons, the procedure for organizing and conducting a forensic medical examination in cases of bringing medical workers to responsibility for poor-quality diagnosis, treatment and rehabilitation of a patient, commission of professional or professional-official offenses. The concept of medical error and accident, extreme necessity in medical practice. Legal regulation of human organ and tissue transplantation. Medical and legal assessment of euthanasia. The importance of forensic medical examination materials for the analysis and prevention of violations in the work of medical institutions and improving the quality of medical and social care to the population.						
10.	Forensic medical examination of physical evidence of biological origin. The concept of physical evidence. Identification, removal, and packaging of traces of biological origin subject to forensic medical examination. Examination of blood and its traces. Issues resolved during the examination of blood. An idea of the methods used for laboratory diagnostics of the presence of blood, its species, group, and gender. Principles and possibilities of forensic medical examination of blood in cases of disputed paternity, motherhood and replacement of children. Understanding the principles and possibilities of examination of seminal fluid, saliva, hair and other biological objects; issues	ID-1 GPC-5 ID-2 GPC-5		2		4	<i>Interview (discussion)</i>

	resolved by the examination. The concept of cytological examination. The concept of the examination of overlays on the instruments of injury. The concept of medical and forensic examination, the objects of its research and possibilities.						
11.	The procedure for autopsies in inpatient medical institutions and at home. Autopsy section of the work. The procedure for autopsies in hospitals and at home. The technique of pathoanatomic autopsy. Organization of work and documentation of PAO and THE PUB. The procedure for autopsying the corpses of the deceased in inpatient medical institutions and at home. Features of autopsy of fetuses, stillbirths, and newborns. Medical death certificate and medical certificate of perinatal death. Pathoatomic autopsy with the completion of the autopsy report. The procedure for filling out a medical death certificate.	ID-1 GPC-5 ID-2 GPC-5	2	2		4	<i>Interview (discussion)</i>
12.	Forensic medical examination of fetal and newborn corpses. Features of the study of fetal and newborn corpses. Definitions of newborn, live birth, viability, full term, maturity. Determination of the intrauterine age of the fetus and newborn. Determining the life expectancy of an infant after birth. Establishing the availability of care and assistance to the newborn. Causes of death of fetuses and newborns. Methods of clinical and anatomical analysis (KILI, AS, LCC). Rules for the registration and issuance of a medical certificate of perinatal death.	ID-1 GPC-5 ID-2 GPC-5		4		4	<i>Interview (discussion)</i>
13.	Pathoanatomic autopsies. Writing the protocol of the pathoanatomic autopsy,	ID-1 GPC-5 ID-2 GPC-5		2		4	<i>Interview (discussion)</i>

	clinical and anatomical analysis. Autopsy report: passport, descriptive, pathoanatomic diagnosis and clinical and pathoanatomic epicrisis. Principles of clinical and pathoanatomic diagnosis. Clinical epicrisis. Clinical and anatomical epicrisis. The main objective of the pathology study. Principles of pathoanatomic diagnosis. The study of medical documentation sent with the corpse for autopsy, the formulation of questions that will need to be answered during the section.						
14.	Diagnosis, structure and logic of clinical and pathoanatomic diagnoses. International Classification and Nomenclature of Diseases (ICD-X). The doctrine of diagnosis. The structure and logic of the diagnosis. The concept of the underlying disease, complication, concomitant disease. Combined underlying disease: competing, combined, background. ICD-10. Features of the formulation of the diagnosis during surgery, in cases of iatrogenism. Rules for comparing the final clinical and pathoanatomic diagnoses. Causes and categories of discrepancy diagnoses. The causes (objective and subjective) of diagnostic errors.	ID-1 GPC-5 ID-2 GPC-5		2		4	<i>Interview (discussion)</i>
15.	Features of pathoanatomic autopsy of corpses of persons who died from infectious diseases and especially dangerous infections. The concept of the term "especially dangerous infections". Signs of particularly dangerous infections during autopsy. Methods of burial after autopsy of corpses of persons who died from infectious	ID-1 GPC-5 ID-2 GPC-5		2		4	<i>Interview (discussion)</i>

	diseases and especially dangerous infections. Sets of protective clothing. Features of the autopsy, the sequence. Features of autopsy in cholera, plague, anthrax. Transportation and burial of corpses. Clinical and anatomical analysis of fatal outcomes. The order of organization and conduct of the KAK, LKK, KILI in medical institutions. Clinical and anatomical analysis of the death case.						
	TOTAL		16	32		60	

6. Assessment Tools Fund for the Discipline (Module)

The assessment tools fund (ATF) for the discipline (module) «Forensic medicine and sectional course» is based on the list of competencies to be mastered, indicating the stages of their formation in the process of mastering the discipline (module). The ATF provides an objective control over the achievement of the planned learning outcomes. The ATF includes:

- A description of indicators and criteria for evaluating competencies at various stages of their formation, a description of evaluation scales;
- Methodological materials determining the procedures for evaluating knowledge, skills, abilities and (or) work experience characterizing the stages of competency formation;
- Standard control tasks and other materials necessary for assessing knowledge, skills, and the level of mastery of the formed competencies in the process of mastering the discipline (module).

The ATF is an appendix to this discipline (module) program.

7. Methodological Guidelines for Students on Mastering the Discipline

When starting work, each student must take into account the following provisions.

The discipline (module) is structured on a thematic principle; each topic represents a logically completed section.

The lecture material is dedicated to the consideration of key, basic provisions of the courses and the clarification of learning tasks assigned for the independent work of students.

Practical classes are conducted with the aim of consolidating the mastered information, acquiring skills for its application in solving practical problems in the relevant subject area.

The independent work of students is aimed at the independent study of additional material, preparation for practical and laboratory classes, as well as the execution of all types of independent work.

In order to successfully master the discipline, it is important to complete all types of independent work employing the recommended sources of information.

8. Educational, Methodological, and Informational Support for the Discipline

8.1. List of Main and Additional Literature Required for Mastering the Discipline (Module)

8.1.1. List of Main Literature:

1. Burkhard Madea. Handbook of Forensic Medicine - Wiley, 2018. – 1341 p.
2. Pigolkin Yu.I., Dubrovin I.A. Forensic Medicine. Textbook. - Moscow: GEOTAR-Media, 2019. - 464 p.

8.1.2. List of Additional Literature:

1. Jason Payne-James Richard Jones Steven B Karch John Manlove Simpson's Forensic Medicine 13th Edition. - Hodder & Stoughton Ltd, 2011. – 264 p.
2. Reinhard B. Dettmeyer, Marcel A. Verhoff, Harald F. Schütz Forensic Medicine. Fundamentals and Perspectives. - Springer Berlin, Heidelberg, 2014. – 584 p.

8.2. List of Educational and Methodological Support for the Independent Work of Students in the Discipline (Module)

Bicheva, G.V. Methodological guidelines on the discipline "Forensic medicine and sectional course" for students of specialty 31.05.01 General Medicine [Electronic version], Stavropol: NCFU (electronic version)

8.3. List of Resources of the Information and Telecommunications Network **Internet** Required for Mastering the Discipline (Module)

1. <http://rudocor.net/> - Medical Portal
2. <http://www.e-reading.club/> - Large Online Library
3. <http://www.pubmed.com/> - database of full-text articles on medicine
4. <http://www.spravocnikpolekarstvam.ru/> - free online reference guide
5. <https://dic.academic.ru/> - Dictionaries and encyclopedias
6. <https://www.rmj.ru/> - Russian Medical Journal
7. <https://www.studentlibrary.ru/> - EBS "Student Consultant"

9. List of Information Technologies Employed through the Discipline (Module), Including a List of Software and Information Reference Systems

When delivering lectures, computer equipment and demonstrations of multimedia presentation materials are used. In seminars and practical classes, students deliver presentations prepared by them during the hours of independent work.

Information Reference Systems:

Information-reference and information-legal systems used in the study of the discipline:

1.	The official website of the library of the FGAOU IN NCFU Access mode: http://catalog.ncstu.ru/catalog
2.	Electronic library system "University Library Online" - www.biblioclub.ru (Agreement No. 50-04/19 on the provision of information services from 13.05.2019)
3.	Electronic library system "IPRbooks" (LICENSE AGREEMENT No. 5168/19 dated 05/13/2019 for the provision of access to the electronic library system IPRbooks. Organization: IP Ar Media Company, LLC)
4.	"eLIBRARY.RU ": [Scientific Electronic Library]. – URL: http://elibrary.ru
5.	The GARANT information reference system.roo // Access mode: http://www.garant.ru/
6.	Legal reference system Russian legislation and judicial practice in freely available - http://www.pravo.ru/
7.	Информационная справочная система КонсультантПлюс. // Режим доступа: http://www.consultant.ru

Software:

1.	Alt Workstation 10
2.	Alt Workstation K
3.	Alt Server
4.	Office software package – P7-Office

10. Description of the Material and Technical Resources Required for the Educational Process for the Discipline (Module)

Lecture classes	A classroom equipped with multimedia equipment and technical training facilities.
Practical classes	A classroom, equipped with multimedia equipment and technical training facilities.
Independent work	A room for the independent work of students, equipped with computer hardware with the capability to connect to the Internet network and provide access to the electronic information and educational environment of the university.

11. Specific Features of Mastering the Discipline (Module) by Persons with Disabilities

Students with disabilities shall be provided with special textbooks, teaching aids, and didactic materials, special technical training facilities for collective and individual use, the services of an assistant (helper) providing the necessary technical assistance to the students, as well as the services of sign language interpreters and tactile sign language interpreters.

The mastery of the discipline (module) by students with disabilities may be organized jointly with other students, as well as in separate groups.

Mastering the discipline (module) by students with disabilities is to be carried out taking into account the peculiarities of psychophysical development, individual capabilities, and health status.

In order to ensure the accessibility of higher education under the educational program for persons with disabilities, the following is provided during the mastery of the discipline (module):

- 1) for persons with visual impairments:
 - the presence of an assistant offering the student the necessary technical assistance, taking into account individual features (help taking the workplace, moving around, reading and formatting the task, including writing under dictation),
 - written tasks, as well as instructions on the procedure for their execution, are formatted in an enlarged font,
 - special textbooks, teaching aids, and didactic materials (having a large font or audio files), individual uniform lighting of at least 300 lux,
 if necessary, a magnifying device is provided to the student to complete the task;
- 2) for persons with hearing impairments:
 - the presence of an assistant providing the student with the necessary technical assistance, taking into account individual characteristics (helps to take a workplace, move around, read and format the task, including writing with dictation),
 - the availability of sound-amplifying equipment for collective use is ensured; if necessary, sound-amplifying equipment for individual use is provided to the student;
 - provision with proper sound means of reproducing information is ensured;
- 3) for persons with musculoskeletal disorders (including severe motor function impairments of the upper limbs or the absence of upper limbs):
 - written tasks are performed on a computer with specialized software or are dictated to an assistant;
 - at the request of the student, tasks may be performed verbally.

12. Specific Features of Implementing the Discipline with the Use of Distance Learning Technologies and E-Learning

Subject to Part 1 of Article 16 of the Federal Law of December 29, 2012, No. 273-FZ On Education in the Russian Federation, e-learning shall be viewed as the arrangement of educational activities employing information contained in databases and used in the implementation of educational programs, as well as information technologies, technical means, and information and

telecommunication networks that ensure the processing and transmission of the specified information via communication lines, and the interaction of students and pedagogical workers.

Remote (distance) learning technologies are understood as educational technologies implemented mainly with the use of information and telecommunication networks during the indirect (at a distance) interaction of students and pedagogical workers.

The implementation of the discipline may be carried out with distance learning technologies and e-learning in full or in part. The components of the Educational And Methodological Complex (EMC) of the discipline (working program of the discipline, assessment and methodological materials, forms of attestation) implemented with the use of distance learning technologies and e-learning contain an indication of their use.

When arranging educational activities with distance learning technologies and e-learning, asynchronous and synchronous methods of interaction between participants in educational relations via the information and telecommunications network Internet may be offered.

When using distance learning technologies and e-learning, the schedule for the discipline shall indicate: methods of interaction among participants in educational relations via the information and telecommunications network Internet (VCC – videoconferencing, ET – electronic testing); links to the electronic information and educational environment of NCFU, to educational platforms and resources of other organizations to which open access is provided via the information and telecommunications network Internet; for synchronous learning – the time of online classes and instructors; for asynchronous learning – the authors of online courses.

When arranging intermediate attestation with distance learning technologies and e-learning, the Methodological Recommendations on the use of technical means ensuring the objective reliability of results when conducting intermediate and state final attestation for higher education educational programs – Bachelor's Degree programs, Specialist's Degree programs, and Master's Degree programs with distance learning technologies are used (Letter of the Ministry of Science and Higher Education of Russia dated December 7, 2020, # MN-19/1573-AN On sending methodological recommendations).

The implementation of the discipline with the use of e-learning and distance learning technologies is carried out using the electronic information and educational environment of NCFU, to which students are provided access via the information and telecommunications network Internet, or using the resources of other organizations, including platforms providing services for videoconferencing, online meetings, and distance learning (MTS-Link), as well as using the capabilities of social networks to carry out communication between students and instructors.

The educational and methodological support for a discipline shall be ensured with e-learning and distance learning technologies includes the working program presented in electronic form, educational and methodological manuals or a course of lectures, methodological guidelines for performing various types of educational activities of students provided for by the discipline, and other educational and methodological materials posted in the information and educational environment of NCFU.