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MINISTRY OF EDUCATION AND SCIENCE OF RUSSIA

Federal State Budgetary Educational Institution

of higher education

«I.N. Ulianov Chuvash State University»

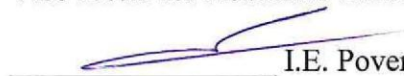
(FSBEI of HE «I.N. Ulianov Chuvash State University»)

Medical Faculty

Department of Healthcare Management and Information Technologies in Medicine

«APPROVE»

Vice-rector for Academic Affairs


I.E. Poverinov

« 13 » 04 2022

Working programs of the discipline (module)
«Цифровые технологии в медицине / Digital Technologies in Medicine»

Direction of training / specialty 31.05.03 Стоматология / Dentistry
Graduate's qualification Врач-стоматолог / Dental Practitioner

Direction (profile) / specialization «Dentistry»

Form of training – очная / intramural

Course – 3

Term – 6

Total academic hours/credit points – 72/2

The year of beginning the training – 2022

The fundamental document for compiling the working program of the discipline (module)
Федеральный государственный образовательный стандарт высшего образования -
специалитет по специальности 31.05.03 Стоматология (приказ Минобрнауки России от
12.08.2020 г. № 984)

Approved by:

Head of the Department, Candidate of Medical Sciences S.V. Lezhenina

The working program was approved at the meeting of the Department of Healthcare
Management and Information Technologies in Medicine,

23.03.2022, protocol № 8

Head of the department S.V. Lezhenina

Approved by

Dean of the Medical Faculty V.N. Diomidova

Acting Head of the Educational and Methodological Department E.A. Shirmanova

1. The purpose and objectives of training in the discipline (module)

The purpose of the discipline - formation of information competence and readiness to apply modern information technologies to solve the tasks of professional activity of specialists in the field of medicine.

The objectives of the discipline - the study of modern digital technologies in application to solving problems of medicine and healthcare;

the study of methodological approaches to the formalization and structuring of various types of medical data used to form a solution during the therapeutic and diagnostic process;

study of the principles of automation of management of healthcare institutions using modern digital and computer technologies;

exploring the possibilities of modern digital technologies for the diagnosis and treatment of patients.

2. The place of practical training in the structure of the educational program of higher education

The discipline «Цифровые технологии в медицине / Digital Technologies in Medicine» относится к обязательной части учебного плана refers to the mandatory part in the curriculum of the educational program of higher education (hereinafter referred to as the EP of HE) in the field of training / specialty 31.05.03 Стоматология, direction (profile) / specialization of the program «Dentistry».

Previous academic disciplines (modules) and (or) practices that form the knowledge, skills and abilities necessary for training in the discipline (module):

Knowledge, skills and abilities formed as a result of training in a discipline (module) are necessary when teaching in the following disciplines (modules) and (or) practices:

3. Planned learning outcomes in the discipline (module), correlated with the planned learning outcomes

Planned learning outcomes in the discipline (module), correlated with the planned learning outcomes

Code and name of the competence	Code and name of the competence achievement	Descriptors for the indicator of competence achievement (learning)
ОПК-13 Способен понимать принципы работы современных информационных технологий и использовать их для решения задач профессиональной деятельности / He/she is able to understand the principles of modern	ОПК-13.1 Способен понимать современные информационные технологии в профессиональной деятельности / He/she is able to understand modern information technologies in professional activity	Know: Basic information technologies used in medicine; - information security rules Be able to implement the principles of modern information technologies in the professional activity of a doctor. Possess the ability to apply modern technologies in professional medical activities.

information technologies and use them to solve the problems of professional activity		
ОПК-13 Способен понимать принципы работы современных информационных технологий и использовать их для решения задач профессиональной деятельности / He/she is able to understand the principles of modern information technologies and use them to solve the problems of professional activity	ОПК-13.2 Способен использовать современные информационные технологии в профессиональной деятельности / He/she is able to use modern information technologies in professional activities	Know modern information technologies used in professional medical activities. Be able to choose modern information technologies when solving the tasks of a doctor's professional activity. Possess the skills of applying modern information technologies in professional medical activity.
ОПК-13 Способен понимать принципы работы современных информационных технологий и использовать их для решения задач профессиональной деятельности / He/she is able to understand the principles of modern information technologies and use them to solve the problems of professional activity	ОПК-13.3 Способен решать задачи профессиональной деятельности с использованием современных информационных технологий / He/she is able to solve the problems of professional activity using modern information technologies	To know modern information technologies in solving the tasks of a doctor's professional activity. Be able to use modern information technologies to solve the problems of professional medical activity. Possess the ability to apply modern information technologies in accordance with the solved tasks of professional medical activity.

4. Structure, scope and content of the discipline (module)

Educational activities in the discipline (module) are carried out:

- in the form of students' face-to-face work with the teaching staff of the organization and (or) persons involved by the organization to implement the educational programs on other terms (hereinafter - contact work);

- in the form of students' independent work.

Face-to-face work can be classroom-based, extramural, as well as it can be conducted in an electronic information and educational environment (EIEE).

Learning sessions in the discipline (module) and interim assessment of students are conducted in the form of face-to-face work and in the form of students' independent work.

During learning sessions in the discipline (module) face-to-face work includes: lecture-type classes, seminar-type classes and (or) group consultations, and (or) individual work of students with the teaching staff of the organization and (or) persons involved by the organization to implement the educational programs on other terms (including individual consultations).

Legend:

Lec – lectures, Lab – laboratory work, Pr – practical classes, ICW – individual face-to-face work, IW – independent work.

4.1. Content of the discipline (module)

Section name	The section's content	Formed competences	Competence achievement indicator
E-health.	E-health. Regulatory and legal support for the use of information technologies in medicine. Prospects for the development of information technologies in healthcare.	ОПК-13	ОПК-13.1, ОПК-13.2, ОПК-13.3
	Regional MIS. EGISZ.		
	Informational support for the professional development of healthcare professionals.		
Practical aspects of the use of information technology in the professional activity of a doctor.	Practical aspects of the use of information technology in the professional activity of a doctor. Medical information systems.		
	Automation of clinical and laboratory research. Decision support systems.		
Organization of telemedicine activities	Features of regulatory and legal regulation of medical care provided with the use of telemedicine technologies at the international and federal level		
	Typical solutions of telemedicine complexes (operating room, studio, lecture hall)		
	The procedure for organizing remote consulting		
	Remote monitoring of the patient's health status		
Individual contact work.	ICW. Test.		

4.2. Scope of the discipline and types of academic work

Forms of control and types of academic work		Labor intensity of the discipline (module)	
		6	total
1. Face-to-face work:		48,2	48,2
In-class learning in total, including:		48	48
Лекционные занятия (Лек)		16	16
Практические занятия (Пр)		32	32
Индивидуальная контактная работа (ИКР)		0,2	0,2
2. Independent work of the student:		23,8	23,8
3. Intermediate certification (exam) (зачет)		3а	3а
Total:	academic hours	72	72
	credit units	2	2

№ item	The section's (theme's) name	Face-to face work, including in the electronic information and educational environment, academic hours				IW, academic hours	Total, academic hours
		Lect.	Pr.	Lab.	ICW		
	E-health.						
1	E-health. Regulatory and legal support for the use of information technologies in medicine. Prospects for the development of information technologies in healthcare.	2	4			4	10
2	Regional MIS. EGISZ.		4			2	6
3	Informational support for the professional development of healthcare professionals.	2	4			2	8
	Practical aspects of the use of information technology in the professional activity of a doctor.						
4	Practical aspects of the use of information technology in the professional activity of a doctor. Medical information systems.	4	8			4	16

5	Automation of clinical and laboratory research. Decision support systems.	2	4			2	8
	Organization of telemedicine activities						
6	Features of regulatory and legal regulation of medical care provided with the use of telemedicine technologies at the international and federal level		2			2	4
7	Typical solutions of telemedicine complexes (operating room, studio, lecture hall)	2	2			2	6
8	The procedure for organizing remote consulting	2	2			1,8	5,8
9	Remote monitoring of the patient's health status	2	2			4	8
	Individual contact work.						
10	ICW. Test.				0,2		0,2
Total academic hours		16	32		0,2	23,8	72

4.3. Summary of the discipline (module), structured by sections (topics)

Раздел 1. E-health.

Тема 1. E-health. Regulatory and legal support for the use of information technologies in medicine. Prospects for the development of information technologies in healthcare.

Лекционное занятие. E-health. Prospects for the development of information technologies in healthcare

Практическое занятие. E-health. Prospects for the development of information technologies in healthcare

Тема 2. Regional MIS. EGISZ.

Практическое занятие. Regional MIS. EGISZ.

Тема 3. Informational support for the professional development of healthcare professionals.

Лекционное занятие. Information support for the professional development of healthcare professionals

Практическое занятие. Information support for the professional development of healthcare professionals

Раздел 2. Practical aspects of the use of information technology in the professional activity of a doctor.

Тема 4. Practical aspects of the use of information technology in the professional activity of a doctor. Medical information systems.

Лекционное занятие. Practical aspects of the use of information technology in the professional activity of a doctor. Medical information systems.

Практическое занятие. Practical aspects of the use of information technology in the professional activity of a doctor. Medical information systems.

Тема 5. Automation of clinical and laboratory research. Decision support systems.

Лекционное занятие. Automation of clinical and laboratory research. Decision support systems.

Практическое занятие. Automation of clinical and laboratory research. Decision support systems.

Раздел 3. Organization of telemedicine activities

Тема 6. Features of regulatory and legal regulation of medical care provided with the use of telemedicine technologies at the international and federal level

Практическое занятие. Features of regulatory and legal regulation of medical care provided with the use of telemedicine technologies at the international and federal level

Тема 7. Typical solutions of telemedicine complexes (operating room, studio, lecture hall)

Лекционное занятие. Typical solutions of telemedicine complexes (operating room, studio, lecture hall)

Практическое занятие. Typical solutions of telemedicine complexes (operating room, studio, lecture hall)

Тема 8. The procedure for organizing remote consulting

Лекционное занятие. The procedure for organizing remote consulting

Практическое занятие. The procedure for organizing remote consulting

Тема 9. Remote monitoring of the patient's health status

Лекционное занятие. Remote monitoring of the patient's health status

Практическое занятие. Remote monitoring of the patient's health status

5. Educational technologies

To implement the competence-based approach in the study of the discipline (module), extensive use of active and interactive methods of conducting classes in the educational process is provided:

In accordance with the requirements of the State Educational System, active and interactive forms of classes are used in the educational process (classes in electronic form, solving situational problems, etc.). The proportion of classes

conducted in interactive forms should be at least 5% of classroom classes.

Examples of interactive forms and methods of conducting classes:

1. lectures
2. practical exercises
3. multimedia technologies (multimedia presentations)
4. e-learning using materials posted on the educational platform "MOODLE"
5. extracurricular independent work, including the educational platform "MOODLE"

6. Forms of control and types of evaluation materials for the discipline (module)

Intermediate attestation - evaluation of intermediate and final results of training in the discipline (module).

6.1. Sample list of questions for the credit test

1. Digital transformation of processes in healthcare.
2. Directions of end-to-end digital technologies in healthcare.
3. Digital health projects. Digital hospital. Smart polyclinic.
4. Provision of interdepartmental electronic interaction on the basis of the unified state information system in the field of healthcare (EGISZ) and its subsystems.
5. Medical information systems as a basis for digital transformation of processes at the level of a medical organization.
6. The concept and purpose of MIS MO, GIS, EGISZ.
7. Classification and review of medical information systems.
8. Goals, objectives and functions of the MIS MO.
9. Maintaining electronic medical records (EHR), electronic schedules, electronic document management, electronic prescriptions, electronic services for citizens, etc.
10. Website of a medical organization. Its sections, goals and objectives. Regulatory documents regulating the content of the MO website.
11. Automated workplace of a specialist doctor.
12. Technical, software, organizational and methodological support of the automated control system.
13. Text editors and processors, programs for creating business graphics, illustrative materials and presentations.
14. Medical data storage systems.
15. Electronic reference books and medical communities for doctors.
16. Medical websites, information portals and resources.
17. Concepts of telemedicine, medical telematics, e-health, information and telecommunication technologies

18. History and prospects of development of remote medical technologies.
 19. Directions of telemedicine technologies.
 20. Mobile medical technologies.
 21. Distance medical education.
 22. Information sites and resources for patients.
 23. Digital medicine services for the population.
 24. Digital medical devices, devices and systems for diagnosing the condition of the patient's body.
 25. Information systems of functional diagnostics departments.
 26. Medical screening systems.
 27. Comprehensive assessment and monitoring of the functional state of the body.
 28. Computer monitoring systems, operational monitoring of the body's condition: cardiomonitoring system, blood pressure monitoring.
 29. Monitor systems.
 30. Monitoring systems in critical condition medicine, in anesthesiology, intensive care, intensive care.
 31. Laboratory information systems (LIS), their integration with MIS MO.
 32. Medical robotic systems.
 33. Robot-assisted surgery.
 34. Virtual and augmented reality systems in medical rehabilitation and medical education.
 35. Medical expert systems.
 36. Knowledge bases.
 37. Evidence-based medicine based on methods of medical statistics.
 38. Information security of medical data.
 39. Secure data transmission network.
 40. Antivirus programs and systems.
 41. List what needs to be digitized when providing medical care using telemedicine technologies.

6.2. Sample list of questions for the examination

Not provided.

6.3. Suggested themes of term papers (projects)

Not provided.

6.4. Suggested themes of term projects

Not provided.

6.5. Suggested topics of calculation and graphic works

Not provided.

7. Educational, methodological, informational and software support of the discipline (module)

The electronic catalog and electronic information resources provided by the scientific library of the FSBEI of HE "I. N. Ulianov Chuvash State University" are available at the link <http://library.chuvsu.ru/>

7.1. Regulatory documents, standards and rules

1. Order of the Ministry of Health of the Russian Federation together with the Russian Academy of Medical Sciences No. 344/76 dated 27.08.2001 "On approval of the Concept of development

of telemedicine technologies in the Russian Federation and its implementation plan".

2. Order of the Ministry of Health of the Russian Federation No. 965n dated 30.11.2017 "On approval of the procedure for the organization and provision of medical care using telemedicine technologies" // Official Internet portal of legal information <http://www.pravo.gov.ru> , 10.01.2018.

3. Order of the Ministry of Health of the Russian Federation dated 31.12.2013 No. 1159n "On approval of the Procedure for conducting personalized accounting in the implementation of medical activities of persons involved in the provision of medical services" // Collection of legislation RF, 28.11.2011 No. 48, Article 6724.4.

Federal Law No. 323 of 21.11.2011 "On the Basics of public Health protection in the Russian Federation" (ed. of 03.12.2019) //

Collection of Legislation of the Russian Federation 28 11 2011 No. 48 article 6724

7.2. Recommended basic educational and methodological literature

№ item	Name
1	

7.3. Recommended supplementary educational and methodological literature

№ item	Name
1	

7.4. List of resources of the "Internet" information and telecommunication network

№ item	Name	Link to the resource
1	A single window to educational resources [Electronic resource]. – Access mode: http://window.edu.ru / (accessed 17.04.2019).	http://window.edu.ru
2	Russian State Library [Electronic resource]. – Access mode: http://www.rsl.ru / (accessed 05.05.2019).	http://www.rsl.ru
3	The Russian National Library [Electronic resource]. – Access mode: http://www.nlr.ru / (date of request:25.06.2019).	http://www.nlr.ru
4	Scientific electronic library "Cyberleninka" [Electronic resource]. – Access mode: http://cyberleninka.ru / (accessed 03.04.2019).	http://cyberleninka.ru

7.5. Software, professional databases, information and reference systems, electronic educational resources and electronic library systems

Software, professional databases, information and reference systems provided by the Informatization Department of the FSBEI of HE "I.N. Ulianov Chuvash State University" are available for download at the link <http://ui.chuvsu.ru> //. The Unified Register of Russian programs for electronic computers and databases, including freely distributed ones, is available at the link [reestr.minsvyaz.ru/reestr /](http://reestr.minsvyaz.ru/reestr/).

7.5.1. Licensed and freely distributed software

Microsoft Windows operating System and/or Unix-like operating system and/or mobile operating system;

Office software packages:

Microsoft Office and/or LibreOffice

and (or) OpenOffice and (or) analogues;

Browsers, including Yandex.Browser.

List of software:

7.5.2. Lists of professional databases and (or) information reference systems and (or) electronic library systems and (or) electronic educational resources

8. Material and technical support of the discipline

Classrooms for lecture-type classes in the discipline are equipped with a teacher's automated workplace consisting of: a personal computer/laptop, multimedia equipment with a screen and (or) SMART interactive whiteboard/SMART TV.

The premises for students' independent work are equipped with computer equipment enabling to connect to the Internet and provide access to the electronic information and educational environment of the FSBEI of HE "I.N. Ulianov Chuvash State University".

№ item	Lesson type	Brief description and characteristics of the composition of installations, measuring and diagnostic equipment, computer equipment and experimental automation tools
1		

9. Means of adapting the discipline teaching to the needs of persons with physical conditions

If necessary, persons with physical conditions can be offered one of the following options for perceiving information, taking into account their individual psychophysical characteristics:

- 1) using e-learning and distance learning technologies.
- 2) using special equipment (enginery) and software in accordance with the students' health restrictions in the Training Centers for Persons with Disabilities and Physical Conditions (hereinafter referred to as special needs) available at the university.

In the course of training, if necessary, the following conditions are provided for persons with visual, hearing and musculoskeletal disorders:

- for persons with visual impairments: educational and methodological materials in printed form in enlarged font; in the form of an electronic document; in the form of an audio file (conversion of educational materials into audio format); in printed form in Braille; individual consultations involving a tactile interpreter; individual assignments and consultations.

- for people with hearing impairments: educational and methodological materials in printed form; in the form of an electronic document; video materials with subtitles; individual consultations involving a sign language interpreter; individual assignments and consultations.

- for persons with disorders of the musculoskeletal system: educational and methodological materials in printed form; in the form of an electronic document; in the form of an audio file; individual assignments and consultations.

10. Guidelines for students to perform independent work

The purpose of the student's independent work (IW) is to consolidate the theoretical knowledge gained and to acquire practical skills in using and performing research of algorithms and data structures when designing application software programs. IW includes independent study of educational issues, preparation for laboratory classes, performing calculation and graphic work, preparation for a test and an exam.

The list of questions and tasks for independent work to prepare for laboratory classes is given in the corresponding methodological instructive regulations in the description of each laboratory work.

The list of questions and tasks for independent work to carry out calculation and graphic work is given in the relevant methodological instructive regulations.

Independent work of students is an integral part of the educational process. The purpose of independent work of students is to master fundamental knowledge, professional skills, experience in creative, research activities.

The main forms of organizing independent work of students are: classroom independent work under the guidance and supervision of a teacher (at lectures, practical, laboratory classes, etc. and consultations); extracurricular independent work under the guidance and supervision of a teacher (during consultations, during research work), extracurricular independent work - planned educational, research, research work of students, performed during extracurricular time on the assignment and with the methodical guidance of the teacher, but without his direct participation.

Students, when performing independent work, should rely mainly on the knowledge and skills acquired in lectures, practical, laboratory classes, group and individual classes.

This provides the necessary basis for further in-depth study of other disciplines.

However, this knowledge needs to be activated.

The forms of independent work of students provided by the discipline include:

- preparation for practical, laboratory classes, group and individual classes;
- independent study of educational issues;
- preparation for the test.

For independent preparation for practical, laboratory, group and individual classes, study of educational issues, preparation for the test, the following sources are recommended:

- lecture notes and materials of practical, laboratory, group and individual classes;
- educational (scientific) literature of the relevant profile;
- Internet resources.

At the beginning of the course, the teacher informs students about the forms, types and content of independent work, explains the requirements for the results of independent work, as well as forms and methods of control and evaluation criteria.

According to the questions proposed by the teacher, the student studies the content of recommended sections, chapters, paragraphs, textbooks, textbooks and monographs; statistical collections; reviews; articles in periodicals. Regulatory legal acts are investigated using the legal bases "Consultant – Plus" or "Guarantor", as well as Internet resources. The forms of control of such individual work are surveys in practical, group and individual classes, checking notes, conclusions.

Individual creative tasks involve:

-preparation of analytical individual work on the topic proposed by the teacher. The completed task is evaluated taking into account the quality of the analysis, identification of factors, causes, conditions of changes, trends, justifying conclusions; proposals put forward by the author;

-preparation for a discussion, a business game, etc.;

-critical review of articles from the list recommended by the teacher, etc.

11. Methodological instructive regulations for students studying the discipline (module)

When starting to study a discipline (module), it is necessary first of all to familiarize yourself with the content of the work program of the discipline (module).

Lectures are intended to provide a systematic basis of scientific knowledge. When studying and working out theoretical material, it is necessary:

- repeat the material outlined in the lecture lesson and supplement it with the recommended literature on this topic;

- when studying a theoretical topic independently, make a summary using the literature sources recommended in the RAP.

- when preparing for the current and intermediate control, use the materials of the FOS.

Work with educational and methodological and scientific literature is one of the important forms of work on the study of the discipline (module) and is necessary in preparation for an oral survey in seminar-type classes, a test / exam. It includes the study of lecture material – the study of recommended sources and literature on the subject of lectures. The lecture summary should contain an abstract record of the main issues of the lecture, the schemes proposed by the teacher (when they are demonstrated), the main sources and literature on the topics, conclusions on each issue. The summary should be made in a separate notebook for the discipline (module). It should be neat, easy to read, and not contain irrelevant information or drawings.

Abstracts of scientific literature in preparation for classes should also be carried out carefully, contain answers to each question posed in the topic, have a link to the source of information with mandatory indication of the author, title and year of publication of the scientific literature used. The summary can be a reference (contain only the main key positions), but at the same time it allows you to give a complete answer to the question, it

can be detailed. The volume of the abstract is determined by the student himself.

In the process of working with educational and scientific literature, the student can:

- make notes as you read in the form of a simple or detailed plan (create a list of the main issues discussed in the source);
- make abstracts (quoting the most important parts of an article or monograph, a short summary of the author's main thoughts);
- prepare annotations (a brief summary of the main issues of the work);
- create summaries (detailed abstracts that).

Work with literature should begin with an analysis of the RAP, which lists the main and additional literature, educational and methodological publications necessary for the study of the discipline (module) and work in seminar-type classes.

After selecting the desired source, you should find the section of interest by the table of contents or alphabetical index, as well as the section of the lecture notes or textbook of the same name. In case of difficulties in understanding the educational material, you should turn to other sources where the presentation may be more accessible. It should be noted that working with literature is not only useful as a means of deeper study of any discipline (module), but is also an integral part of the professional activity of a future graduate.

11.1. Methodological instructive regulations for preparing for seminar-type classes

Laboratory work is one of the forms of mastering theoretical material with the simultaneous formation of practical skills in the discipline being studied.

The purpose of laboratory work is to deepen the study of theoretical material, the formation of practical skills through regular and systematic independent work of students throughout the course.

The process of preparation for laboratory work includes the study of regulatory documents, mandatory and additional literature on the issue under consideration. Direct laboratory work involves:

- study of theoretical material on the topic of laboratory work (on the issues of the topic under study);
- performing the necessary calculations and experiments;
- preparation of a report with filling in the necessary tables, plotting, drawing conclusions on the experiments and theoretical calculations;
- control is carried out for each laboratory work: the content of the report is checked, the assimilation of theoretical material is checked. The control of the assimilation of theoretical material is individual.

11.2. Methodological instructive regulations for preparing for an examination

Not provided.

11.3. Methodological instructive regulations for preparing for a test

Preparation of students for passing the test includes:

- viewing the program of the training course;
- identification of sources necessary for the preparation (textbooks, additional literature, Internet resources, etc.) and their study;
- use of lecture notes, materials of practical classes;
- consulting with a teacher.

Preparation for the test begins with the first lesson in the discipline, at which students receive a general teacher's attitude and a list of basic requirements for current and final reporting. At the same time, it is important to systematically master the material from the very beginning, guided, first of all, by the list of questions for the test, to take notes of sources important for solving educational tasks.

A student who has completed in full the tasks provided for in the work program of the

discipline (module) is allowed to take credit. In case of missing any types of training sessions for valid or disrespectful reasons, the student independently performs and submits for verification in writing general or individual tasks determined by the teacher. The test for the theoretical course takes place orally or in writing (determined by the teacher) on the basis of a list of questions that reflect the content of the current work program of the discipline.

Students are recommended to:

- prepare for the test by carefully reading the questions for the test;
- make a plan of the answer to each question, highlighting the key points of the material;
- after studying a few questions, discuss them with classmates.

The answer must be reasoned. The results of the tests are evaluated by the mark "credited" or "not credited".

11.4. Methodological instructive regulations for performing computational and graphical

Not provided.

11.5. Methodological instructive regulations for performing a control work

Not provided.

11.6. Methodological instructive regulations for performing a course work (project)

Not provided.

List of additions and changes

The name and details (if any) of the document attached to the Working Program of the discipline (module) containing the text of updates	Department's decision		Full name of department head:
	Date	Protocol №	