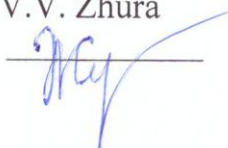



Federal State Budgetary Educational Institution of Education
Volgograd State Medical University of the Ministry of Health of the
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HIGHER EDUCATION PROGRAMME
OF THE DENTISTRY COURSE

Specialty
31.05.03 Dentistry
Specialist programme

Dentist Qualification

Mode of study
Full time

1. General description of the higher education programme of the Dentistry course for Specialty 31.05.03 Dentistry (Specialist programme).

1.1. General provisions.

The higher education programme (HEP) of the Dentistry course implemented by the FSBEI of HE VolgSMU of the Ministry of Health of the Russian Federation for Specialty 31.05.03 Dentistry elaborates the main features of education (workload, content, expected outcomes), organizational and pedagogical facilities, forms of assessment presented in the form of the basic curriculum, academic schedule, syllabi of the studied courses (modules), on-the-job training programmes, assessment and methodological materials, and other components.

1.2. Regulatory documents underlying the developed higher education programme of the Dentistry course for Specialty 31.05.03 Dentistry (Specialist programme).

The legislative and regulatory framework of the developed HEP covers:

Federal Law “On Education in the Russian Federation” No. 273-FZ of December 29, 2012;

Decree ‘On the Approval of the Order of Organizing and Providing Educational Activities Based on Higher Education Programmes – Bachelor Programmes, Specialist Programmes, Master Programmes” No. 301 of April 6, 2017;

Decree of the Ministry of Education and Science of the Russian Federation No.653 of July 13, 2017 “On Amendments to the Federal State Higher Education Standards”;

Federal State Higher Education Standard (FSHES) for Specialty 31.05.03 Dentistry, approved by the decree of the Ministry of Education and Science of the Russian Federation No. 96 of February 2, 2016;

Decree of the Ministry of Education and Science of the Russian Federation No.636 of June 29, 2015 “On the Approval of the Procedure of State Summative Assessment Based on Higher Education Programmes – Bachelor Programmes, Specialist Programmes, Master Programmes”;

Regulatory and methodological documents of the Ministry of Education and Science of the Russian Federation;

Regulatory and methodological documents of the Ministry of Health of the Russian Federation;

Regulation of the FSBEI of HE VolgSMU of the Ministry of Health of the Russian Federation on Higher Education Programmes - Bachelor Programmes, Specialist Programmes, Master Programmes;

Charter of the FSBEI of HE Volgograd State Medical University of the Ministry of Health of the Russian Federation;

Local normative acts of the FSBEI of HE VolgSMU of the Ministry of Health of the Russian Federation.

1.3. Goal (mission) of the higher education programme “Dentistry” for Specialty 31.05.03 Dentistry (Specialist programme).

The main goal of the HEP is to train specialists having high quality fundamental and general professional qualifications, who are capable of reaching high level outcomes in protecting population health, educated in line with the best achievements in domestic and world science, culture and healthcare, and aware of the updates imposed by the new economic requirements.

As for personal development, the education programme aims at shaping in students such social and personal qualities as determination, self-discipline, diligence, commitment, civic consciousness, communication awareness, tolerance, and cultural sensitivity.

In the area of education the general goals of the specialty study programme include:

a) to offer training providing the basics of humanitarian, social, economic, mathematical and scientific knowledge, comprising biomedical and ecological information;

b) to offer higher professional specialized training, which enables graduates in the field of Dentistry to successfully perform jobs in the spheres of research, professional activities and technologies in healthcare, which employ a number of

techniques, ways and tools for rendering dental care and first aid measures in emergency cases, and aim to preserve and improve health of the population by providing high quality dental care (treatment and prevention, medical and social care), and follow-up care.

c) to offer higher professional specialized training, which equips graduates in the field of Dentistry with universal and subject-specific competencies enhancing their social mobility and competitiveness at the labour market.

1.4. Duration of the higher education programme “Dentistry” for Specialty 31.05.03 Dentistry (Specialist programme).

The duration of study based on the Specialist programme (full time mode) including holidays provided after the State Final Examination regardless of the applied educational technologies is 5 years. The workload of the Specialty programme (full time mode) implemented during one academic year is 60 credits.

When a student is trained according to an individually adjusted curriculum, the duration of study cannot exceed the period fixed for the regular course of study regardless of a mode of study. In case of handicapped students trained on the basis of individually adjusted curricula the length of study can be increased at their discretion by no longer than one year as compared to the duration of study for the corresponding mode. When following an individually adjusted curriculum, the workload of the Specialty programme implemented during one academic year cannot exceed 75 credits.

1.5. Application requirements.

Individuals, who have a complete secondary general education, secondary vocational training, higher education certified by a corresponding document, can apply for the Specialist programme.

2. Description of professional activities of the graduate of the higher education programme “Dentistry” for Specialty 31.05.03 Dentistry (Specialist

programme).

2.1. Sphere of professional activities of the graduate.

The sphere of professional activities of graduates, who have completed the Specialist programme, includes the protection of health by providing dental care in accordance with the established requirements and standards in the field of dental care.

2.2. The objects of professional activities of graduates.

The objects of professional activities of graduates, who have completed the Specialist programme, include:

- physical persons (henceforth – patients);
- population;
- a variety of means and technologies used to provide dental care and designed to create conditions for the preservation of health of citizens.

2.3. Types of professional activities of the graduate:

- preventive activities;
- diagnostics;
- therapeutic activities;
- rehabilitation;
- psychological and pedagogical activities;
- organization and management;
- research activities.

2.4. Goals of professional activities of the graduate:

Preventive activities:

- Prevention of disease incidence among the population by providing sanitary and epidemic prevention measures;
- Participation in preventive dental examinations, checkups and follow-up care;
- Collection of information on the indices of dental incidence among different sex-age groups of population, their impact on overall health and statistical analysis of such data;

Diagnostics:

- diagnosis of dental diseases and pathological conditions of patients;
- diagnosis of emergency cases;
- performing temporary disability examination and participation in other types of medical evaluation;

Therapeutic activities:

- Dental care provision in outpatient settings and day patient facilities;
- Medical care provision in emergency situations including cases of medical evacuation;

Rehabilitation:

- participation in medical rehabilitation provision to patients with dental diseases in health resort settings;

Psychological and pedagogical activities:

- Motivating population, patients and their families to preserve and strengthen their health and that of people around them;
- Educating patients about the main hygienic, health-giving measures, which promote prevention of dental diseases and strengthen patients' health;

Organization and management:

- application of the basic principles of organizing dental care in medical institutions and their structural units;
- creation of favourable conditions for patients' stay as well as for working activities of the staff in dental care organizations;
- record keeping in the area of professional activity;
- organization of medical evaluation;
- participation in the organization of assessment of the quality of dental care provided to patients;
- compliance with the requirements for information security.

Research

- analysis of publications and official statistics reviews, participation in studies involving statistical analysis and communication of their results in public;

-involvement in addressing research and applied issues in the field of healthcare and medical sciences dealing with diagnosis, treatment, medical rehabilitation, and prevention.

3. Competencies, which graduates majoring in the Specialty 31.05.03 Dentistry (Specialist programme), develop on completion of the education programme “Dentistry”.

A graduate, who completed the Specialist programme, is to have the following competencies:

Universal cultural competencies (UCC):

- Capability for abstract thinking, analysis, synthesis (UCC-1);
- Ability to use basics of philosophical knowledge to shape worldview (UCC-2);
- Ability to analyze the main stages and objective laws of historical development of the society to develop civic awareness (UCC-3);
- Ability to take actions in emergency situations, assume social and ethical responsibility for the decisions made (UCC-4);
- Commitment to self-development, self-fulfillment, self-education, and maximizing creative potential (UCC-5);
- Ability to use methods and means of physical education to ensure full-scale social and professional activities (UCC-6);
- Proficiency in using first aid measures, ways of protection in emergency situations (UCC-7);
- Commitment to teamwork, tolerance when dealing with social, ethnical, confessional, and cultural diversity (UCC-8).

General professional competencies (GPC)

- Ability to handle standard issues arising in professional activities using information, bibliographic resources, medical and biological terminology, information and communication technologies and considering the main requirements of information security (GPC-1);
- Capability for oral and written communication both in Russian and foreign

languages to handle the problems of professional activity (GPC-2);

- Ability to use the basics of economic and legal knowledge in professional activities (GPC-3);

- Ability and commitment to adhere to ethical and deontological principles in professional activities (GPC-4);

- Proficiency in analyzing the results of their own activities to prevent professional malpractice (GPC-5);

- Proficiency in keeping medical records (GPC-6);

- Ability to use basic physical, chemical, mathematical and other scientific concepts and methods when tackling professional problems (GPC-7);

- Proficiency in medical use of therapeutic agents and other substances and their combinations when solving professional tasks (GPC-8);

- Ability to assess morphofunctional, physiological conditions and pathological processes in the human body to solve professional tasks (GPC-9);

- Proficiency in promoting organization of patients' care and provision of paramedical care (GPC-10);

- Proficiency in applying medical products covered by the guidelines for medical care provision to patients with dental diseases (GPC-11).

Professional competencies (PC):

- Preventive activities:

- Proficiency in carrying out a variety of measures designed to preserve and strengthen health, which include education about a healthy lifestyle, prevention of the emergence and (or) progress of dental diseases, their early diagnosis, identification of causes and conditions contributing to their emergence and development, as well as measures aiming to eliminate adverse impact of environmental factors on human health (PC-1);

- Proficiency in performing preventive medical examinations, medical checkups and follow-up care of patients with dental pathologies (PC-2);

- Proficiency in taking sanitation and epidemic prevention measures, organizing the protection of population at the sites of highly infectious diseases, in the areas

with increased levels of radiation, natural calamities, and other emergency situations (PC-3);

- Proficiency in applying social and hygienic methods of gathering information on dental disease rate and perform medical statistics analysis of these data (PC-4);

Diagnostics:

- Proficiency in interviewing a patient and analyzing their complaints, present and past history, physical examination findings, laboratory, instrumental examination, pathoanatomical and other findings to diagnose a condition and confirm the fact of the presence or absence of any dental pathologies (PC-5);

- Ability to detect major pathological conditions, their symptoms, syndromes of dental diseases, nosological entities on the basis of the International Statistical Classification of Diseases and Related Health Problems, 10th Revision (PC-6);

- Proficiency in performing a temporary disability examination, participating in medical and social evaluation, biological death pronouncement (PC-7);

Therapeutic activities:

- Ability to work out a strategy for the management of patients with various dental pathologies (PC-8);

- Proficiency in managing and treating patients with dental diseases in outpatient settings and day patient facilities (PC-9);

- Proficiency in providing medical care in emergency situations including cases of medical evacuation (PC-10);

Rehabilitation activities:

Proficiency in assessing the relevance of administration of natural therapeutic factors, medical, non-medical therapy and other methods of treatment of patients with dental diseases, whose condition requires medical rehabilitation and treatment in health resort settings (PC-11);

Psychological and pedagogical activities:

- Proficiency in educating population about the main hygienic, health-giving measures, skills of self-monitoring the basic vital signs, which promote health preservation and strengthening, as well as prevention of dental diseases (PC-12);

- Proficiency to provide education on how to eliminate risk factors and follow a healthy life style (PC-13);

Organization and Management:

- Ability to apply the main principles of organization and management in the sphere of public health protection, in healthcare institutions and their structural units (PC-14);

- Proficiency in participating in the evaluation of dental care quality using the basic medical statistics indices (PC-15);

- Proficiency in organizing medical care in emergency situations including cases of medical evacuation (PC-16);

Research activities:

- Proficiency in analyzing and presenting medical information in public through the prism of evidence-based medicine (PC-17);

- Ability to participate in research projects (PC-18);

- Proficiency in introducing new methods and techniques targeting public health protection (PC-19).

Correlation between professional goals of FSHE of Higher Education (HE) and labour functions of the occupational standard (OS), developed professional competencies

Goals of professional activities of graduates FSHE HE	Labour functions Occupational standard	Conclusions, Developed professional competencies
Preventive activities	General Labour Functions: Dental care provision to patients with dental diseases	
Prevention of emergence of diseases among the population by providing sanitary and epidemic prevention measures	Implementation and evaluation of the effectiveness of sanitary and epidemic prevention measures aiming at public health protection A/04.7	In conformity with 2, 3, 12, 13, 19

	Provision of sanitary and hygienic education to population and healthcare professionals to promote a healthy lifestyle A/05.7	In conformity with 2, 3, 12, 13, 19
Participation in preventive dental examinations, checkups and follow-up care	Implementing sanitary and epidemic prevention measures aiming at public health protection and monitoring their effectiveness of A/04.7	In conformity with 1, 13, 14
	Performing a patient's examination to make a diagnosis A/01.7	In conformity with 5, 6
Collection of information on the indices of dental incidence among different sex-age groups of population, their impact on overall health and statistical analysis of such data	Implementing sanitary and epidemic prevention measures aiming at public health protection and monitoring their effectiveness of A/04.7	In conformity with 1, 13, 14
Diagnostics		
Diagnosis of dental diseases and pathological conditions of patients	Performing a patient's examination to make a diagnosis A/01.7	In conformity with 5,6
Diagnosis of medical emergencies		
Performing temporary disability examination and participation in other types of medical evaluation		
Therapeutic activities		
Dental care provision in outpatient settings and day patient facilities	Administration and evaluation of the effectiveness and safety of medical and non-medical therapy A/02.7	In conformity with 8,9
Participation in medical care provision in emergency situations including cases of medical evacuation		In conformity with 8,9,10,16
Rehabilitation activities		
Participation in medical	Development,	In conformity with

rehabilitation and dental care in health resort settings	implementation and monitoring the effectiveness of individual rehabilitation programmes A/03.7	11
Psychological and pedagogical activities		
Motivating population, patients and their families to preserve and strengthen their health and that of people around them	Provision of sanitary and hygienic education to population and healthcare professionals to promote a healthy lifestyle A/05.7	In conformity with 1,13
Educating patients about the main hygienic, health-giving measures, which promote prevention of dental diseases and strengthen patients' health		
Organization and management		
Application of the basic principles of organizing dental care in medical institutions and their structural units	Organization and Management A/06.7	In conformity with 4, 7,14,15,17
Creation of favourable conditions for patients' stay as well as for working activities of the staff in dental care organizations		
Record keeping in the area of professional activity		
Organization of medical evaluation		
Participation in the organization of assessment of the quality of dental care provided to patients		
Compliance with the requirements for information security		

Research activities		
Analysis of publications and official statistics reviews, participation in studies involving statistical analysis and communication of their results in public	Organization and Management A/06.7	In conformity with 4,17,18
Involvement in addressing research and applied issues in the field of healthcare and medical sciences dealing with diagnosis, treatment, medical rehabilitation, and prevention		

4. Documents regulating the content and organization of academic process based on the higher education programme of the Dentistry course for Specialty 31.05.03 Dentistry (Specialist programme).

4.1. Academic schedule. (VolgSMU website, dentistry faculty, academic schedule, Specialty 31.05.03 Dentistry)

4.2. Curriculum. (VolgSMU website, dentistry faculty, curriculum, Specialty 31.05.03 Dentistry).

4.3. Syllabi of the courses (VolgSMU website, dentistry faculty, syllabi of the courses covered by Specialty 31.05.03 Dentistry).

4.3.1. Each course (interdisciplinary module) covered by the curriculum is taught in accordance with the syllabus developed for this course (module).

4.3.2. Each syllabus employs a competency-based approach, involves active and interactive forms of teaching coupled with out-of-class activities to develop and enhance professional skills of students. The share of interactive classes amounts to a minimum of 5% of all in-class learning.

4.3.3. The share of lectures amounts to a maximum of 30% of all in-class learning.

4.3.4. The courses also involve meetings with representatives of Russian and overseas companies, state and public organizations, workshops provided by expert

and specialists.

4.4. Syllabi of practical and on-the-job training. (VolgSMU website, dentistry faculty, syllabi of the courses covered by Specialty 31.05.03 Dentistry).

4.5. Face-to-face learning.

Face-to-face learning is regulated by the Statute on Face-to-Face Learning of April 10, 2020 approved by the Academic Board of the VolgSMU. It is defined as students' activities involving direct interaction of students and teachers.

Face-to-face learning includes lectures, seminars, course projects, group and personal tutorials, students' progress assessment.

Face-to-face learning forms are included in the curriculum, as well as syllabi of the courses (modules) for specialty 31.05.03 Dentistry.

5. Rights and responsibilities of students doing the specialty course 31.05.03 Dentistry.

5.1. The university acquaints students with information on their rights and responsibilities when elaborating the higher education programme, clarifies the fact that the courses (modules) selected by the students are compulsory for them;

5.2. The university provides the opportunity to its students to participate in developing their study programme including potential elaboration of individual study programmes. In case of individual study programmes, students are entitled to be advised on the selection of courses (modules) and their role in further specialization by the university staff;

5.3. In addition to the rights and responsibilities stipulated by legislative and other regulatory acts, students are entitled to choose particular elective courses (modules) within the limits of academic hours allocated to the study of elective courses (modules) in the higher education programme;

5.4. When transferred from one higher education institution to another, students have the right to transfer credits earned in previously studied courses (modules) and certified by valid documents on the basis of their progress assessment;

5.5. Students must perform all the tasks covered by the higher education

programme in due time.

6. Resource allocation for the higher education programme of the Dentistry course for Specialty 31.05.03 Dentistry in the FSBEI of HE VolgSMU of the Ministry of Health of the Russian Federation.

The implementation of the education programme for Specialty 31.05.03 Dentistry is secured by human resources, academic documentation and course/teaching materials.

6.1. Human resources.

The specialty programme implementation is secured by the administrative and academic staff of the organization alongside with individuals involved in the specialty programme implementation under the terms of a civil contract.

The share of academic staff having degrees appropriate for the profile of the course (module) taught including academic staff involved in the implementation of the specialty programme must amount to a minimum of 70%.

The share of academic staff involved in the implementation of the specialty programme having an academic degree (including an academic degree conferred abroad and recognized in the Russian Federation) and (or) academic status (including an academic title awarded abroad and recognized in the Russian Federation) must amount to a minimum of 65% of the total number.

The share of the staff among the administrative staff and the staff of the organizations whose activities are related to the profile of the implemented specialty programme (whose work experience is no less than 3 years) must amount to a minimum of 10% of the total number of the staff involved in the implementation of the specialty programme.

Highly qualified specialists in the relevant sphere of professional activity are engaged in the supervision of the content of theoretical and practical training provided within the specialty programme.

6.2. Teaching documentation, material and technical resources.

The training of specialists for specialty 31.05.03 Dentistry is ensured by

teaching documentation and materials available for all academic courses (modules). The content of each of these courses (modules) can be accessed over the Internet and the local network of the VolgSMU subject to information security requirements. Out-of-class training is supported by methodological materials, which also provide substantiation for the time period required for its completion.

6.2.1. The implementation of each discipline of the higher education programme for the speciality 31.05.03 Dentistry is ensured by the discipline teaching package. The teaching package composition is determined on the basis of the content of the approved syllabus of a course and includes:

- syllabus;
- teaching materials (textbooks, tutorials in paper and electronic form, lecture notes);
- guidelines for practical classes for students;
- teaching guidelines for practical classes;
- guidelines for students' self-study;
- assignments for interim assessment;
- test assignments for initial, formative, and summative assessment of students;
- list of compulsory and supplementary study books;
- practical training programme, guidelines for practical training for teachers and students, a student's practical training diary (in case practical training is part of the syllabus after the course completion).

6.2.2. Each student has an access to the electronic and library resource system, which contains books on the core studied courses obtained on the basis of direct agreements with the copyright holders of teaching and instructional publications, as well as the electronic and library resource system of the individual websites of the departments.

The university provides the opportunity for simultaneous individual access to the electronic and library resource system of a minimum of 25% of students.

The electronic and library resource system provides students with individual access from any place where there is Internet access.

6.2.3. The library stock is composed of printed and electronic publications included in compulsory and supplementary literature lists, as well as domestic and foreign journals. The amount of printed books is calculated so that a minimum of 50 copies of each of compulsory textbooks listed in the syllabi of courses (modules) and practical training and 25 copies of supplementary books must be in stock per 100 students.

6.2.4. All students can gain access to up-to-date professional databases, inquiry and information retrieval systems. On-line information exchange with domestic and overseas universities and organizations is carried out subject to the requirements of the Russian Federation legislation for intellectual property rights and international agreements of the Russian Federation in the sphere of intellectual property.

The university has a required package of licensed software.

6.2.5. The university has material, technical resources and facilities at its disposal required for training students: lecture halls, classrooms for seminars, course projects, group and individual tutorials, formative and summative assessment, venues for practical classes in clinical subjects, students self study. All of them are up to the current sanitary and fire protection norms and standards.

6.2.5.1. The university has its own dental teaching clinic, dental clinic of VolgSMU (Herzen street, 10, Volgograd), as well as other teaching clinics – dental clinics No. 2,3,7,8,9,10,11,12, Regional dental clinic, Volzhsky city dental clinic, Regional clinical hospital No.1, City clinical hospital No.1, Regional clinical cancer centre, clinical hospital No. 3, FMBA centre (Vodnikov hospital) at its disposal. Students have the opportunity to undertake on-the-job training in specialized therapeutic institutions of the Volgograd region. The relations between the university and teaching hospitals are regulated by legal agreements between the educational institution (VolgSMU) and medical organizations.

6.2.5.1. Specialized dental departments allocate a share of their in-class academic hours for practical classes held in the Interdepartmental Phantom Centre of the dental faculty of VolgSMU so that students could enhance their manual

skills and develop professional competencies. The Interdepartmental Phantom Centre offers dental simulation units, which make it possible to practice the whole range of preclinical manual skills.

6.2.5.3. The university laboratories are fitted up with up-to-date equipment and consumables and provide the opportunity to teach courses involving laboratory-based practicals as one of the academic process forms. The laboratories are equipped with all the facilities, which make it possible to comply with safety and sanitary requirements.

6.2.5.4. Lecture halls and classrooms for seminars and practical classes are equipped with visual aids, audio- and video devices, multimedia projectors and screens, which promote clarity and highly effective acquisition of theoretical material covered by the syllabi of the studied courses by students. The venues for students' self-study are equipped with computers having access to the Internet and electronic information educational portal.

7. Description of the university environment ensuring the development of universal cultural (social and personal) competencies of graduates.

The theoretical and clinical departments of humanitarian orientation, the university museum, widely circulated newspaper "For Healthcare Providers", the library, deans' offices, students' public organizations (Student Board, student trade union, NOMUS, sports club), class and year leaders of the dentistry faculty are involved in shaping sociocultural environment and raising the awareness of the VolgSMU students. Jointly, they ensure the development of universal cultural and social and personal competencies.

8. Regulatory and procedural support for the system evaluating the quality of mastering the higher education programme of the Dentistry course for Specialty 31.05.03 Dentistry.

The VolgSMU guarantees the quality of training in the following ways:

- by engaging employer's representatives at the stages of implementation and assessment of how the higher education programme has been mastered;
- by monitoring and regularly reviewing the study programmes;

- by applying the elaborated objective procedures of assessing knowledge and skills of students as well as their competencies;

- by regular professional development courses taken by the teaching staff;

- via regular self-assessment using the agreed criteria for evaluating the activities (strategies) and weighing its outcomes against the outcomes of other educational institutions; employer's representatives are also involved in it;

- by informing the general public about the results of its activities, plans, and innovations.

Students are provided with the opportunity to cumulatively assess the content, organization and quality of academic process and the performance of individual members of the teaching staff.

The assessment of the quality of mastering the higher education specialty programme includes ongoing, formative and summative or final state assessment of graduates.

8.1. Ongoing assessment of academic performance and formative assessment.

8.1.1. Regulatory and procedural support of the ongoing assessment of performance and formative assessment of students' achievements is based on the Regulation on the Forms, Terms and Procedure of Ongoing Assessment of Students' Performance and Formative Assessment of Students' Achievements as well as the Regulation on the Expulsion of Students in the VolgSMU approved by the Academic Board of the VolgSMU.

8.1.2. In accordance with the FSHEs the funds of assessment tools have been developed and approved (including those in electronic format) to carry out ongoing and formative assessment of students' performance. They include review questions and standardized case studies for practical classes, laboratory work, exams, tests and computer interactive software, model topics for independent students' work and suggested topics for library research papers as well as other forms of assessment, which make it possible to evaluate knowledge, skills and the level of the developed competencies.

8.1.3. The VolgSMU has created conditions for maximum adjustment of the format of ongoing and formative assessment of students' performance to their future professional settings. In addition to the teachers providing training in a particular subject area, employers' representatives and lecturers teaching allied courses are actively involved as external examiners.

8.1.4. Ongoing monitoring of the conventional or individual curriculum completion is carried out by the university departments together with the faculty deans up to the end of each term. The following indicators are used to analyze the ongoing assessment results:

- the number of classes missed in a course (module), practical training;
- the number of unsatisfactory grades/fails in a course (module), practical training.

8.1.5. Lectures, laboratory and practical classes are delivered strictly according to the schedule, approved by the chancellor. Lecture attendance is compulsory. Those present are registered by class and year leaders and by random checks of individual groups. A lecture missed without a valid excuse must be made up for through an interview with a lecturer or an essay submitted within 2 weeks. There are some other ways of compensating for missed lectures developed by each individual department and agreed with the academic office and the dean of a faculty (students' recitation at practical classes, research paper covering the content of a missed lecture, tests, etc.)

8.1.6. The academic schedule of the classes of individual groups trained at the departments having venues in several teaching hospitals or classes in elective courses is compiled by the head of a department and agreed with the dean.

8.1.7. The staff of each department systematically monitors how their students master the discipline programme, which is translated into grades recorded in class registers according to the point rating system.

8.1.8. The materials on the studied topic are used to compensate for classes missed for a valid reason (illness, permission obtained from the dean's office, etc.) without reference to academic hours.

8.1.9. Academic failures are overcome in the ways approved by the department (individual interview, writing essays, tests, etc.) in accordance with the department schedule, agreed with the dean.

8.1.10. Classes missed without a valid excuse must be made up for with reference to academic hours. Oral interviewing, writing an essay on the lecture topic or deducting penalty points according to the department's point rating system can be used to compensate for classes missed without a valid excuse.

8.1.11. A student who received an unsatisfactory grade/fail during ongoing assessment has to go back over the studied section and answer a teacher's questions during the interview, which is held within teachers' normal working hours (in class or after classes). In case of frontal instruction, a student has to improve an unsatisfactory mark within the period of two weeks from the day it was given, in case of clinical rotations – before the rotation ends.

8.1.12. Students, who failed to compensate for a missed class in due time, can continue attending classes only if they get a written permit issued by the dean or vice-dean. Students who failed to read for a scheduled practical class properly are not allowed to skip it.

8.1.13. The departments are obliged to take corrective actions (teacher-to-student talks, private communication with the department head or their deputy, inviting students to staff meetings) with regard to the students, who abscond from overcoming their failures. If the actions taken are not successful, the department informs the dean's office about the students, who absconded and actions taken to improve it by the 1st day of every month.

8.1.14. Students, who missed classes due to long-term illness, must compensate for them according to an individual schedule agreed with the department staff after they get a permit from the dean's office.

8.1.15. On a few special occasions (participation in inter-university conferences, academic competitions, duty chores, etc.), deans and their deputies in coordination with department staff can exempt students from compensating for a few missed classes provided their average course point rating in the current term is

no less than 61 points and students independently master the class material they missed, which is checked by means of an additional assignment covering the missed topic during the formative assessment of student's achievements made during the course.

8.1.16. Students can sit exams only in case the requirements of the compulsory study programme have been met and end-of-term tests in practical, laboratory classes, seminars, course projects and practical training sessions covered by this term syllabus have been passed. All academic failures must be overcome in the terms established in the chancellor's order.

8.1.17. For a student, who failed to complete the current term study programme for a valid reason (due to illness and so on), the individual time for the term completion is scheduled on request of the dean's office.

8.1.18. In case of long-term or frequent diseases, resulting in decreased work capacity, as well as pregnancy and childbirth the university chancellor can issue an order granting an academic leave, whose length is determined by a medical consultative board.

8.1.19. Disciplinary measures can be imposed on students, who have missed more than 30% of face-to-face academic hours in the course/practical training session and those, who have not completed or untimely completed any type of assignments of ongoing assessment with unsatisfactory grades prevailing (the ongoing point rating is less than 61). Depending on the type of students' failure to perform their academic duties, the measures listed below can be undertaken: students can be invited to the department staff meeting or to the dean's office meeting, where a reprimand or rebuke can be administered, students' parents or potential employer can be notified about the possible expulsion due to a failure to complete the study programme.

8.1.20. Classes are held strictly according to schedule. Changing the schedule, adding extra or evening classes is not permitted if they are not agreed upon with the dean's office or the academic office. The schedule of classes provided by the departments having venues in several teaching hospitals, as well as classes in

elective courses is compiled by the head of a department, agreed with the dean and then submitted to the academic office.

8.1.21. Formative assessment of students.

An end-of-term test is a form of formative assessment, which is used to check how well a student has mastered the material of studied courses (stages, modules), and to monitor practical training. An end-of-term test is held immediately after the study of a course, practical training (stage, module) has been completed and before the date of the term end if not specified otherwise by the academic process schedule.

8.1.21.2. The form and procedure of end-of-term testing are specified in the syllabus of a course (stage, module). As a rule, for end-of-term tests a pass (if a student scores 61 points or more in a subject)/fail grading system is used. It is recorded in a student's individual curriculum and a student's record book. Grades ("excellent", "good", "satisfactory", "unsatisfactory") can also be given. Furthermore, the system and criteria of assessment are established by the syllabus of a discipline on the basis of point rating system.

8.1.21.3. Students, who have fulfilled all the requirements of the syllabus of a course (stage, module) and do not have academic failures in this course (stage, module) are allowed to do an end-of-term test in case they have scored 61 or more points in the course.

8.1.21.4. The procedure used to hold an end-of-term test in practical, on-the-job training is specified by the practical training syllabus and supervised by its head. Its assessment results can be graded as "excellent", "good", "satisfactory", "unsatisfactory" or "pass/fail". Moreover, the system and criteria of assessment are established by the syllabus of practical training on the basis of point rating system.

8.1.21.5. An exam is a form of formative assessment of gained knowledge, acquired skills of self-study and the ability to use them to handle practical tasks resulting from the study of a course (stage, module). An exam is held on completion of the study of a course (stage, module). Its scope is specified by the syllabus of a course (stage, module).

8.1.21.6. Students, who have fulfilled all the requirements of the syllabus of a course (stage, module) and do not have academic failures in this course (stage, module) are allowed to sit an exam in case they have scored 61 or more points while doing the course.

8.1.21.7. To regulate academic process and organize a vacation for students, exams are grouped within an examination set which is held at the end of each term if not specified otherwise by a curriculum or an individual curriculum. Examination period schedule is established by the chancellor's order.

8.1.21.8. A pre-exam tutorial is provided before exams. The schedule of exams held within an examination period is compiled in accordance with the chancellor's order about the terms of an examination set. Both teachers and students are informed about it not later than two weeks before it starts. The schedule is made up in such a way that students have a minimum three-day interval between the exams for revision.

8.1.21.9. The form of an exam (oral, written, testing or another form), its procedure (including time allocated to prepare for oral examination or time allocated to go through the stages of exams held in written or text form) and exam assessment criteria are specified in the materials of the course teaching package, approved in accordance with the established procedure. Students are informed about them at the beginning of the course (module) study.

8.1.21.10. Exams are administered by lecturers authorized by the chancellor's order. In case of an oral examination using examination question papers, an examiner has the right to offer additional questions, which are not covered by the paper, within the scope of a course (stage, module) syllabus. Unauthorized persons are not allowed to attend exams without the permission of the chancellor, first vice-chancellor, vice-chancellor for academic affairs or the faculty dean.

8.1.21.11. Examination materials (papers, tests, etc.) are approved by the academic and methodological commission of a faculty, supervising the completion of the curriculum including the course ending in an exam.

8.1.21.12. A student, who is allowed to take an examination, must arrive by the

time the exam starts, properly dressed and bring a student's record book. In time of the exam students can use a syllabus, reference books allowed by the examiner. It is not allowed to use means of communication during exams.

8.1.21.13. Students, who missed an exam for a valid reason confirmed by means of a standard form document, are provided with the opportunity to sit the exam on another date fixed by the dean's office. The document must be submitted to the dean's office not later than the next working day after it was received. It also must be registered and kept in a student's personal file. In case of illness a student can sit exams on individually fixed dates specified by the chancellor's order about extending an examination period.

8.1.21.14. Formative assessment (exam) grading is based on the point rating system of each course. The final cumulative grade in a course (not only for answering exam questions) translated into "excellent", "good", "satisfactory" is entered in a student's record book, examination progress report, and examination record list. An "unsatisfactory" mark is recorded only in an examination progress report, and examination record list.

8.1.21.15. A student's absence at the exam is marked as "not present" in the examination record list. An examination record list and an examination progress test are formulated in accordance with the point rating system. On exam completion a compiled examination progress report is submitted by the examiner to the dean's office not later than the next working day.

8.1.21.16. Students have to be informed about the forms, procedures of ongoing and formative assessment used for each discipline within the first month of study.

8.2. The State Final Examination of graduates.

8.2.1. The summative assessment of graduates doing the Specialty 31.05.03 Dentistry course includes the State Final Examination (SFE).

8.2.2. FSE aims to assess graduates' universal cultural, general professional and professional competencies, which determine their proficiency in handling professional tasks, specified by FSHES for Specialty 31.05.03 Dentistry and make

them competitive at the labour market. Summative assessment performed as the State Final Examination of graduates is in full conformity with the education programme, completed by students throughout the course.

8.2.3. The university has developed and approved the requirements for the content covered and procedure of the State Final Examination on the basis of the Decree of the Ministry of Education and Science of the Russian Federation No. 636 of June 29, 2015 “On the Approval of the Procedure of State Summative Assessment Based on Higher Education Programmes – Bachelor Programmes, Specialist Programmes, Master Programmes”, the requirements of the Federal State Higher Education Standard for Specialty 31.05.03 Dentistry No. 96 of February 2, 2016.

8.2.4. Students are informed about the requirements for the content covered and the procedure of the State Final Examination 6 months prior to the provisional date of the State Final Examination, which graduates doing the Specialty 31.05.03 Dentistry course, take.

Students, who do not have academic failures and have fully completed the curriculum or individual curricula of the studied higher education programme in conformity with the requirements of the Federal State Higher Education Standard and passed all the end-of-term tests and exams covered by the curriculum, are allowed to go through the State Final Examination.

8.2.5. State summative assessment of the performance of graduates of the dentistry faculty of the Volgograd State Medical University is held in the form of the State Final Examination held for Specialty 31.05.03 Dentistry. It relies on the general requirements formulated in the Federal State Higher Education Standard for Specialty 31.05.03 Dentistry and involves the assessment of the level of proficiency of students in major dental disciplines, whose completion is of crucial importance for graduates’ professional activities.

8.2.6. The major criterion for assessing the quality of graduates’ training is their ability to make optimal decisions in the field of professional activities on the basis of integrated content of the courses covered by the summative assessment.

8.2.7. The summative assessment of the performance of the dentistry faculty graduates doing the Specialty 31.05.03 Dentistry course is conducted as a 3-stage exam:

- 1 stage – testing,
- 2 stage – assessment of practical skills,
- 3 stage – oral examination.

The listed stages of the SFE accomplish the goals of assessing the proficiency of graduates listed below:

1 stage – testing (assessment of the level of theoretical knowledge during an exam test session in the form of computer-based testing);

2 stage – practical professional expertise of graduates is assessed, which involves evaluation of the level of development of practical skills (using simulators, phantoms, medical apparatus and tools);

3 stage – assessment of the ability to handle specific professional tasks during oral examination covering various sections of core and allied clinical courses (analysis-based solution of comprehensive exam questions, integrating case studies and an interview).

8.2.7.1. The first stage of the State Final Examination is computer-based testing, which provides 100 test questions covering sections of major dental courses to be answered. The tests recommended by the Ministry of Health of the Russian Federation for the listed courses as well as the questions compiled by the staff of the major clinical departments of the university are used for the state summative assessment. The compiled list of test questions is approved by the academic and methodological commission of the dentistry faculty.

8.2.7.2. The second stage involves monitoring and assessing practical skills, which is held in the interdepartmental centre for developing practical skills of the dentistry faculty of the VolgSMU and employs simulators, training devices, phantoms, medical apparatus and tools. The practical skills of graduates are assessed only in the presence of the SFE examiners. A graduate is requested to perform a patient's examination, make a diagnosis, to choose a treatment strategy,

perform a number of manipulations covered by the syllabi of the major dental departments and the SFE programme. Training devices, phantoms, medical apparatus, materials and tools, which make it possible to assess graduates' ability to interpret radiograms, findings of laboratory and instrumental examination, to apply the techniques required for proper use of medical apparatus, and to administer medications, etc. are used to assess graduates' practical skills.

8.2.7.3. The third stage aims to assess the ability to handle specific professional tasks. This stage is organized as an oral examination. A graduate is offered a paper with comprehensive exam questions, which includes 4 case studies. Case studies provide a detailed description of a clinical case, visualized clinical signs (colour illustrative photographic materials), dental examination findings (radiograms, panoramic radiographs, computed tomography scans, occlusiograms, blood tests) and a list of questions. The SFE assignments enable examiners to comprehensively assess the breadth and depth of theoretical knowledge and practical skills of graduates in all major dental fields.

8.2.8. Grading of the SFE results is based on the point rating system.

8.2.8.1. By the start of the SFE the officials of the dentistry faculty office compile a cumulative examination record list, which contains all the information on the graduates' rating score in major dental courses before the summative assessment (preliminary Majors score). The latter is defined as the average of graduates' rating scores based on the results of their study of major dental courses provided by the core dental departments. Preliminary Majors score is included in the final grade given at the SFE as its constituent part. This approach makes it possible to decrease contingent probability in the system of summative assessment of knowledge and practical skills as it takes into account the basic level of students' achievements throughout the whole period of study.

8.2.9. Students, who fail the State Final Examination due to nonattendance without a valid excuse or an "unsatisfactory" grade given at the time of assessment, are expelled from the university. An academic certificate confirming that they has taken a course of study but failed to properly perform their duty to

master the education programme and complete the syllabus is granted to them.

8.2.10. A person, who has failed to pass the State Final Examination, can resit the State Final Examination no earlier than 10 months and no later than 5 years after the State Final Examination, which they failed. This person can resit the SFE no more than twice.

8.2.11. After graduates successfully have gone through all the established types of state summative assessment included by the State Final Examination, they earn the qualification of Dentist and certification in Dental specialty. The university chancellor publishes the order about students' expulsion and state-recognized diplomas with honours and pass diplomas granted to graduates.

8.2.12. All the sessions of the State Examination Commission are documented in minutes. A list of questions offered to a student and a description of answers to them, views of the members of the State Examination Commission on the level of student's proficiency in handling professional tasks revealed during the State Final Examination as well as revealed limitations in the theoretical and practical skills of students are documented in a session minute.

8.2.13. A summary report on the activities of the State Examination Commission complemented with the recommendations for enhancing the quality of training students at the university is presented at the Faculty Board meeting and submitted to the chancellor within two months after the state summative assessment is completed. Afterwards it is forwarded to the founding organization within a month. The State Final Examination minutes are stored in the university archives.

9. Special aspects of the academic process based on the higher education programme of the Dentistry course for Specialty 31.05.03 Dentistry organized for handicapped and disabled people.

9.1. The measures taken to create an inclusive learning environment and special educational setting for handicapped and disabled students in the FSBEI of HE VolgSMU of the Ministry of Health of the Russian Federation are described in the "Perspective plan for creating an inclusive learning environment for handicapped

and disabled students at the FSBEI of HE VolgSMU of the Ministry of Health of the Russian Federation for the period of 2014-2017” adopted on the basis of the resolution of the Academic Board of the FSBEI of HE VolgSMU of the Ministry of Health of the Russian Federation (minute No. 6 of February 12, 2014).

9.2. Training provided to handicapped students is based on an individual study programme adjusted if necessary to training a particular category of students regarding their psychophysical specific aspects, individual capabilities and health condition. For incapacitated students an individual study programme fitting into their rehabilitation plan is also developed.

9.3. The annual workload of handicapped and incapacitated students trained according to an individual study programme based on the education programme for Specialty 31.05.03 Dentistry must not exceed 75 credits.

9.4. Handicapped and incapacitated students can be trained together with other students and in separate classes.

9.5. Handicapped and incapacitated students getting a higher education based on this study programme are provided with free special-purpose textbooks, manuals, and other study materials.

9.6. Specific aspects of the summative assessment of handicapped and incapacitated students’ performance include:

- handicapped students must submit a written application stating the need for creating special conditions for their summative assessment no later than 3 months before the State Final Examination;

- handicapped and incapacitated individuals can undergo the summative assessment in the same classroom together with other students who are not handicapped or incapacitated if it does not cause any problems for the former;

- Following a student’s application the FSBEI of HE VolgSMU of the Ministry of Health of the Russian Federation assigns an assistant from amongst the university staff or involves other specialists to be present at the State Final Examination and provide all the required technical support to students taking into consideration their individual capabilities (to get accommodated in a working

place, move and communicate with the members of the Examination Commission);

- students are provided with the guidelines on the procedure of the State Final Examination in the form acceptable to them;

- students can use required technical devices during a final qualification work examination depending on their individual capabilities.