

AL-FARABI KAZAKH NATIONAL UNIVERSITY
FACULTY OF MEDICINE AND HEALTH CARE
GRADUATE SCHOOL OF MEDICINE
DEPARTMENT OF CLINICAL DENTISTRY



**EDUCATIONAL AND METHODICAL COMPLEX OF THE DISCIPLINE
K(R)Ya 1106
KAZAKH/ RUSSIAN LANGUAGE
Specialty 6B10113-DENTISTRY**

Almaty 2025

SYLLABUS
МЕДИЦИНАДА ҚАЗАҚ/ОРЫС ТІЛІ
KAZAKH / RUSSIAN LANGUAGE IN MEDICINE
RUSSIAN/KAZAKH IN USE MEDICINE

1. General information about the discipline						
1.1	Faculty/School: Higher School of Medicine	1.6	Credits (ECTS): 4 credits – 120h-60h contact -1 once a week 4 hours			
1.2	Educational program(OP): 6B10113-DENTISTRY 6B10113-DENTISTRY 6B10113- DENTISTRY	1.7	Prerequisites: Professional English Language Post-requirements: Тістердің анатомиясы және мусіндеуі/Анатомия и моделирование зубов / Dental Anatomy and modelling teeth			
1.3	Агентство и год аккредитации ОП НААР 2024	1.8	CPC/CPM/СРД (кол-во): 50 часов- 2 кредита			
1.4	Кәсіби орыс/қазақ тілі/Professional language Kazakh / Russian/ Kazakh / Russian in use medicine K(R)Ya 1106	1.9	SRSP/SRMP/SRDP (qty): 1.5			
1.5	-profiledi disciplinesalar \profile disciplines\ profile disciplines	1.10	Mandatory -yes			
2. Discipline description						
	In the course of studying the course, to develop students ' ability to speak and learn Kazakh or Russian as a means of social, intercultural, professional communication through the formation of communicative competencies at the level of using the language that provides the basis for using the language as a means of communicating with the patient in the patient's language.					
3 Purpose of the discipline						
<i>The purpose of the discipline is for students to master modern knowledge and understanding of the Kazakh or Russian language as a means of social, intercultural, professional communication and professional growth, using the skills of effective professional communication</i>						
The discipline studies in depth:						
<ul style="list-style-type: none"> - sanitary and hygienic rules for the organization of dental offices(clinics), equipment, modern dental equipment for the diagnosis and treatment of diseases of the oral cavity, methods of sterilization of instruments; - clinical anatomy, physiology, biochemistry, ultrastructure of organs and tissues of the oral cavity, saliva, gingival and oral fluid; - the composition of the microbial flora of the oral cavity in normal and caries; the role of microbial flora in physiological and pathological processes 						

<p>in the oral cavity; mechanisms of ensuring and maintaining homeostasis in the oral cavity;</p> <ul style="list-style-type: none"> – the concept of caries resistance and caries resistance of hard tooth tissues; theoretical foundations of remineralizing therapy of dental caries. 			
4. Results of training (RO) in the discipline (3-5)			
	RO of the discipline	The level	of RO proficiency in the educational program that the RO is associated with in the discipline (RO number from the OP passport)
1.	Able to make the correct choice and use of language and speech tools for communication and learning in training and in professional activities on the basis of sufficient vocabulary	3	possess medical terminology in the target language, use the most common speech formulas for standard communication, the interpersonal skills necessary to be an effective member or leader in health care or other professional team
2.	In different areas of communication in the Kazakh/Russian languages to demonstrate the ability to Express their own intentions and needs (domestic, educational, social, cultural), declaring them ethically, full of meaningful, lexico-grammatically and pragmatically adequate	3	to know the Kazakh (Russian) languages, knowledge of technologies of communication, communications strategies, and skills of constructive dialogue, communication in a multicultural, multiethnic and multi-religious society, to be tolerant and able to cooperate
3.	to Demonstrate knowledge and understanding of the role of tissue biological environments and habitats of the oral cavity in the maintenance of homeostasis and the development of pathological processes of the periodontium	2	Clinical anatomy, physiology, biochemistry, the ultrastructure of the organs and tissues of the oral cavity
4.	to Recognize on micro photos/the micropreparations the ultrastructure of the mucous membrane of the oral cavity, enamel, dentin, pulp, cement,	proficiency - 2	
5.	to Know the work and be able to work in diagnostic devices	proficiency - 2	to Connect the unit Diagnostic instruments EDI, apex locator to Determine the indicators
6.	to Express the actual content of the text, to formulate their conceptual information, to describe the findings (pragmatic focus) as throughout the text, and its individual structural elements in the Kazakh/Russian language	proficiency - 3	to know the Kazakh (Russian) languages, knowledge of technologies of communication, communications strategies, and skills of constructive dialogue, communication in a multicultural, multiethnic and multi-religious society, to be tolerant and able to cooperate
1.	Summative assessment methods (check (yes-no) / indicate your own):		

5.1	MCQ memory and Comprehension testing	5.5	yes
5.2	Passing practical skills-Miniclinical exam (MiniCex)	5.6	yes
5.3	SRS-creative task	5.7	yes

6.	Detailed information about the discipline			
6.1	Academic year: 2024-2025	6.3	Schedule (class days, time): From 8.00 to 13.00	
6.2	Semester: 2nd semester	6.4	Place (academic building, office, platform and link to the meeting of training with the use of DOT)	
7.	Discipline leader			
Position	Full name	Department	Contact information (tel., e-mail)	Consultations before exams
Acting professor	SAPAEVA N. G.	Dentistry	8 747 224 27 64 sapaeva.58@mail.ru	Before the exam sessions within 60 min off/onlain
8.	Content of the discipline			
	Title of the topic	Number of hours	Form of conducting	
1.	Sanitary and hygienic standards of the organization of the dental office.	4	Formative assessment: 1. TBL 2. Work in albums 3. Mini-conference topics of the SRS DOPS-Assessment of the implementation of a practical skill	
2.	Modern equipment and equipment of a dental office (clinic). Organization of the dentist's workplace, safety precautions.	4	Formative assessment: 1. manual skills training, 2. DOPS - Assessment of the implementation 3. of the TBL practical skill 4. Work in albums	
3.	Modern diagnostic and therapeutic equipment in dental practice. The concept of functional diagnostics.	4	Formative assessment: 1. manual skills training, 2. DOPS-Assessment of the implementation 3. of the TBL practical skill 4. Working in albums	

4.	Disinfection mode in dentistry. Personnel protection measures.	4	Formative assessment: 1. Using active методов learning methods: TBL, CBL 2. Work in albums 3. Mini-conference topics SRS
5.	Sterilization of dental instruments, methods of quality control of sterilization.	4	Formative assessment: 1. manual skills training, DOPS-Assessment of the implementation of the practical skill
6.	Measures of control over the sanitary and hygienic condition of dental offices (clinics)	4	Formative assessment: manual skills training, DOPS - Assessment of the implementation of a practical skill
7.	Boundary control 1		Summative assessment: 2 stages: 1st stage-TMCQ testing for memorization - 60%, comprehension and application-40% 2-2nd stage-practical skills acquisition (Dops) - 60%
8.	Enamel, chemical composition, structure, functions. Enamel permeability. Vitality of enamel. Enamel remineralization.	4	Formative assessment: Oral / written survey Performing tasks in test form Working in albums
9.	Dentin, chemical composition, structure, functions. Tooth cement, histological structure, functional significance	4	Formative assessment: demonstration of an educational presentation on the topic search workshop
10.	Tooth pulp, concept, structure, functions. Periodontal structure, functional significance.	4	Formative assessment: demonstration of a training presentation on the topic, search workshop
11.	Structure and functions of the oral mucosa.	4	Formative assessment: brainstorming small group work
12.	Saliva and oral fluid. Composition and properties. The role of oral fluid in the physiological and pathological processes of the oral cavity	4	Formative assessment: Written survey demonstration of a training presentation on the topic, search workshop

13.	Oral microflora is normal. Biofilm, composition, properties. The role of microflora in the development of caries, its complications and periodontal pathology.	4	Formative assessment: brainstorming work in small groups demonstration of a training presentation on the topic, search workshop
14.	Demineralization of hard tooth tissues. Caries, the concept. Caries resistance. Caries	susceptibility 4	Formative assessment: manual skills training, DOPS-Assessment of the implementation of a practical skill search workshop
15.	Boundary control 2	Summative assessment: 1st stage-tMCQ training for understanding and application - 40% 2-2nd stage-Practical Skills Admission (Dops) - 60%	
Final control (exam)		Summative assessment – two stages 1st stage-tMCQ testing for understanding and application-40% 2-2nd stage-OSPE - 60%	
Total			100
9.	<p>Methods of training in the discipline</p> <p>The following types of classes are used to implement practical training:</p> <ul style="list-style-type: none"> - classes using simulators (phantoms, simulators); the teacher monitors and, if necessary, corrects shortcomings in the work of students, interactivity is manifested in the fact that students should be ready to act as experts and evaluate the correctness of mastering a practical skill -a master class (demonstration by the teacher stages of monitoring the sanitary and hygienic condition of the cabinet, tools) - CBL manual skills training -a case-based learning method: - educational and research work of students; <p>DOPS-Assessment of the implementation of a practical skill</p> <p>Role-playing games</p> <p>Search workshop</p> <p>Work in small groups</p>		
1	<p>Methods of formative assessment:</p> <p>TBL-Team Based Learning</p> <p>CBL-Case Based Learning</p>		
2	<p>Methods of summative assessment (from point 5):</p> <ol style="list-style-type: none"> 1. MCQ testing for memorization and understanding 2. Passing practical skills - miniclinical exam (MiniCex) 3. SRS-creative task 		

	4. R & D Research Project		
10.	Summative		
assessme nt No	. of the control form		Weight in % of total %
1	Reception of practical skills		30% (evaluated according to the checklist)
2	Border control		70%
Total RC1		30 + 70 = 100%	
1	Oral response		20% (estimated by checklist)
2	Klassrum		10% (estimated by checklist)
3	R & D research project		10% (estimated on the checklist)
5	Milestone control		60% (Stage 1-tMCQ teasing for understanding and application-40%; 2-Stage 2-mini clinical exam (MiniCex) - 60%)
Total RC2		20+10+10 + 60 = 100%	
9	The exam		has 2 stages: 1st stage-tMCQ teasing for understanding and application - 40% 2-2nd stage-OCE with SP - 60%
10	Final grade:		ORD 60% + Exam 40%
10.	Evaluation		
Score Letter System	Score Digital Equivalent	Points (% content)	Description of the assessment (changes can only be made at the level of the decision of the Academic Quality Committee of the Faculty)
A	4.0	95-100	Great. Exceeds the highest task standards.
A -	3.67	90-94	Excellent. Meets the highest standards of the task.
At+	3.33	85-89	Is Good. Very good. Meets the high standards of the assignment.

In	3.0	, 80-84	Is Good. Meets most job standards.
B-	2.67	75-79	Good. More than enough. Shows some reasonable knowledge of the material.
C+	2.33	70-74	Is Good. Acceptable. Meets the main task standards.
From	2.0	65-69	Satisfactory. Acceptable. Meets some of the main task standards.
C-	1.67	60-64	Satisfactory. Acceptable. Meets some of the main task standards.
D+	1,33	55-59	Satisfactory. Minimally acceptable.
D	1,0	50-54	Satisfactory. Minimally acceptable. The lowest level of knowledge and task completion.
FX	0,5	25-49	Unsatisfactory. Minimally acceptable.
F	0	0-24	Unsatisfactory. Very low productivity.

11. Training resources (use the full link and indicate where you can access the texts/materials)

References	: V. A. Golub, O. A. Kosivtsov. Asepsis and antiseptics. Volgograd, 2019. -85 p.
	Nikolaev A. I., Tsepov L. M. Phantom course of therapeutic dentistry. Study guide. Moscow, 2014.
	Structure and equipment of dental organizations. Ufa, 2016. - 84S.
	Терапиялық стоматология : практикалық сабактарға басшылық: оку құралы Электронное издание на основе: Терапиялық стоматология : практикалық сабактарға басшылық: оку құралы / Ю. М. Максимовский, А. В. Митронин ; казак тіліндегі басылымның жауапты редакторы Г. Б. Жанабаева ; казак тіліне аударған Н. Н. Кубенова. - М. : ГЭОТАР-Медиа, 2018. - 384 6. - ISBN 978-5-9704-4580-8. 2)Terapiyalyk stomatologiya. Auyz kuysy shyryshty kabygynyn aurulary ISBN: 978-5-9704-2988-4, 978-5-9704-2982-2
Additional information	John Panapallil Basic dental materials 3 ed. 2010 B. S. Manjunatha, Dental Anatomy and Oral Physiology, 2012, Douglas Terry, Essentials of Dentistry, 195 p
	. Yu R. I. Ayapova Zh. O. Fundamentals of oral and dental histology. Technoerudit Publ., 2018, pp. 109-122.
	Borovsky E. V., Leontiev V. K. Biology of the oral cavity. N. Novgorod, 2001

	Organization and equipment of a dental clinic, office: sanitary and hygienic requirements. Ergonomiceskie osnovy raboty vrista stomatologa: uchebnoe posobie [Ergonomic basics of the dentist's work: a textbook]. ed. by Prof. E. A. Bazikyan. - Moscow: GEOTAR-Media, 2014. - 90S.
Electronic resources	<p>Online resources:</p> <p>e-library. kaznu</p> <ol style="list-style-type: none"> 1. Medscape.com - https://www.medscape.com/familymedicine 2. Oxfordmedicine.com -https://oxfordmedicine.com/Uptodate.com 3. Uptodate.com - https://www.wolterskluwer.com/en/solutions/uptodate 4. Osmosis - https://www.youtube.com/c/osmosis 5. Ninja Nerd - https://www.youtube.com/c/NinjaNerdScience/videos 6. CorMedicale -https://www.youtube.com/c/CorMedicale -medical video animations in Russian. 7. Lecturio Medical - https://www.youtube.com/channel/UCbYmF43dpGHZ8gi2ugiXr0Q 8. SciDrugs -https://www.youtube.com/c/SciDrugs/videos -video lectures on pharmacology in Russian.
Simulators in the simulation center	Dental installations in the SIM center naTole bi training rooms, 96
Special software	<ol style="list-style-type: none"> 1. Google classroom - freely available. 2. Medical calculators: Medscape, Doctor's Handbook, MD+Calc - freely available. 3. Handbook of diagnostic and treatment protocols for medical workers from RCRS, Ministry of Health of the Republic of Kazakhstan: Dariger - available in free access.
12.	Требования к Student requirements and bonus system
<p>Bonus system:</p> <p>For extraordinary achievements in the field of future professional activity (clinical, scientific, organizational, etc.), students can receive additional points up to 10% of the final assessment (by the decision of the department).</p>	
13.	Discipline
	<p>Policy The discipline policy is determined by the Academic Policy of the University and the University's Academic Integrity Policy. If the links do not open, then you can find up-to-date documents in the Univer IP.</p> <p>Rules of professional conduct:</p> <ol style="list-style-type: none"> 1) Appearance: <ul style="list-style-type: none"> ✓ office style of clothing (shorts, short skirts, open T-shirts are not allowed to attend the university, jeans are not allowed in the clinic) ✓ clean ironed dressing gown ✓ medical mask ✓ medical cap (or a neat hijab without hanging ends) ✓ medical gloves

- ✓ change of shoes
- ✓ neat hairstyle, long hair should be gathered in a ponytail, or bun, both for girls and boys. Neatly cropped nails. Bright, dark manicure is prohibited. It is acceptable to cover your nails with clear varnish.
- ✓ badge with full name (in full)

2) Mandatory compliance with the rules of personal hygiene and safety

- 3) Systematic preparation for the educational process.
- 4) Accurate and timely maintenance of accounting documentation.
- 5) Active participation in medical-diagnostic and social events of departments.

The teacher has the right to make a decision on admission to classes for students who do not meet the requirements of professional behavior, including the requirements of the clinical base!

Academic discipline:

1. You can't be late for classes or a morning conference. If you are late, the decision on admission to the lesson is made by the teacher leading the lesson. If there is a valid reason, inform the teacher about the delay and the reason by message or by phone. After the third delay, the student writes an explanatory note to the head of the department, indicating the reasons for the delay, and is sent to the dean's office for admission to the class. If you are late without a valid reason, the teacher has the right to withdraw points from the current assessment (1 point for each minute of delay).
2. The duration of the school hour is 50 minutes. Classes are held once a week, the duration of classes is 5 academic hours. A 30-minute lunch break
3. is provided. Religious events, holidays, etc. are not a valid reason for missing, being late, or distracting the teacher and group from work during classes.
4. If you are late for a valid reason – do not distract the group and the teacher from the lesson and go quietly to your seat.
5. Leaving a class earlier than the scheduled time, or being outside the workplace during school hours is considered a truancy.
6. Additional work of students during school hours (during practical classes and duties) is not allowed.
7. For students who have more than 3 passes without notifying the curator and a valid reason, a report is issued with a recommendation for expulsion.
8. Missed classes are not processed.
9. Students are fully subject to the Internal rules of the clinical bases of the department
10. To greet the teacher and any older person by getting up (in class)
11. Smoking (including the use of vapes, e-cigarettes) strictly prohibited on the territory of medical institutions (out-doors) and the university. Punishment-up to cancellation of border control, in case of repeated violation-the decision on admission to classes is made by the head of the department
12. of Respect for colleagues, regardless of gender, age, nationality, religion, sexual orientation.
13. Have a laptop / laptop / tab / tablet with you for training and passing MCQ tests on TBL, boundary and final controls.
14. Taking MCQ tests on telephones and smartphones is strictly prohibited.

	The student's behavior during exams is regulated by the "Rules for conducting final control", "Instructions for conducting final control of the autumn / spring semester of the current academic year" (current documents are uploaded to the Univer IC and updated before the session starts); "Regulations on checking students' text documents for borrowing "
14	<p>1. Constantly prepare for classes: For example, it supports statements with relevant links, makes brief summaries, demonstrates effective learning skills, and helps others</p> <p>learn 2. Take responsibility for your training: For example, it manages its own training plan, actively tries to improve itself, and critically evaluates information resources</p> <p>3. Actively participate in the group's training: For example, they actively participate in discussions and are willing to take tasks</p> <p>4. Demonstrate effective group skills For example, it takes the initiative, shows respect and correctness towards others, and helps resolve misunderstandings and conflicts.</p> <p>5. Proficient communication skills with peers: For example, actively listens, and is receptive to nonverbal and emotional cues Respectful attitude</p> <p>6. Highly developed professional skills: Committed to completing assignments, looking for opportunities for more training, confident and qualified Compliance with ethics and deontology in relation to patients and medical staff Compliance with subordination.</p> <p>7. High introspection: For example, it recognizes the limitations of its knowledge or abilities without taking the defensive or rebuking others</p> <p>8 Highly developed critical thinking: For example, the student demonstrates skills in performing key tasks, such as generating hypotheses, applying knowledge to cases from practice, critically evaluating information, making conclusions out loud, explaining the reflection process</p> <p>9. Fully complies with the rules of academic behavior with understanding, suggests improvements to improve performance. Adheres to the ethics of communication-both oral and written (in chats and messages)</p> <p>10. Fully adheres to the rules with full understanding of them, encourages other group members to adhere to the rules Strictly adheres to the principles of medical ethics and PRIMUM NON NOCER</p>
15.	<p>Distance/online learning is prohibited in clinical discipline 1 иплине</p> <p>. According to the Order of the Ministry of Education and Science of the Republic of Kazakhstan No. 17513 dated October 9, 2018 "On approval of the List of areas of training of personnel with higher and postgraduate education, training in which in the form of external and online training is not allowed"</p> <p>According to the above-mentioned regulatory document, specialties with the code of health care disciplines: bachelor's degree (6B101), master's degree (7M101), residency (7R101), doctoral studies, (8D101) - training in the form of external and online-training is not allowed.</p>

It is allowed to work out a class in the discipline in connection with the absence of a student for a reason beyond his control and the availability of a timely confirmation document (for example: a health problem and the declaration of an approval document - a medical certificate, a NSR signal sheet, an extract from a consultation appointment with a medical specialist-doctor).

16. Approval and review

Acting Head of the Department of Kmn, Associate Professor		Abdikarimov S. Zh
. Committee on the Quality of teaching and Training of the Faculty	Protocol No . Approval date 26.09.2024	Kurmanova G. M.
Dean	Signature	Kalmakhanov S. B.

Thematic plan and content of classes

#	<i>Topic</i>	<i>Content</i>	<i>Literature</i>	<i>Form of implementation</i>
1	Sanitary and hygienic standards of the organization of the dental office.	Licensing of activities in dentistry. Documentation, stages of implementation. Sanitary and hygienic requirements for the equipment and finishing of a dental office (clinic): room, area, and equipment placement. Know the sanitary and hygienic rules for placing an X-ray room. Apply sanitary rules and instructions to the device and operation of dental organizations	Nikolaev A. I., Tsepov L. M. Phantom course of therapeutic dentistry. Study guide. Moscow, 2014. Organization and equipment of a dental clinic, office: sanitary and hygienic requirements. Ergonomiceskie osnovy raboty vrasta stomatologa: uchebnoe posobie [Ergonomic basics of the dentist's work: a textbook]. ed. by Prof. E. A. Bazikyan. - Moscow: GEOTAR-Media, 2014. - 90S.	Demonstration of an educational presentation on the topic Oral/ written / compacted survey, work in small groups
2	Modern equipment and equipment of the dental office (clinic). Organization of the dentist's workplace, safety precautions.	Know the equipment of therapeutic, orthopedic, surgical rooms(departments), dental and technical laboratories. Dental installations. Compressors - purpose, types, features of operation, placement rules, care. Organization of the workplace of an orthopedic therapist-dental surgeon. Safety instructions for the operation of the dental unit	Trezubov V. N., Mishnev L. N. Safety techniques during the operation of the dental unit Dental office: equipment, materials, tools. St. Petersburg, 2006. - 146 p. Organization and equipment of a dental clinic, office: sanitary and hygienic requirements. Ergonomiceskie osnovy raboty vrasta stomatologa: uchebnoe posobie [Ergonomic basics of the dentist's work: a textbook]. ed. by Prof. E. A. Bazikyan. - Moscow: GEOTAR-Media, 2014. - 90S. Structure and equipment of dental organizations. Ufa, 2016. - 84S.	Demonstration of an educational presentation on the topic Oral / written / compacted survey, work in small groups manual skills training, DOPS-Assessment of the implementation of practical skill
3	Modern diagnostic and therapeutic equipment in dental practice. The	To be able to determine the vitality of the pulp electr.devices – electrodontodiagnosis, methods of determination.	Nikolaev A. I., Tsepov L. M. Phantom course of therapeutic dentistry. Study guide. Moscow, 2014.	Explanation Demonstration

	concept of functional diagnostics	Apexlocator, an operating microscope for endodontics. Purpose Dental radiography: intraoral, panoramic radiography, orthopantomography. Radiovisiography, computed tomography (3D tomography). Concept of functional diagnostics, meaning, types. Fibrooptic transillumination (FOTI)- Cavo Diagnodent, laser Doppler flowmetry-concept, purpose. Surgical lasers. Computer modeling in orthopedic dentistry: 3D printer and CAD/CAM modeling technology.	Loginova, N. K. Functional diagnostics in dentistry / N. K. Loginova, Moscow: Partner Publ., 1994, 77 p. Khvatova V. A. Funktsionalnaya diagnostika i lechenie v stomatologii [Functional diagnostics and treatment in dentistry]. Moscow: Meditsinskaya kniga, 2007, 294 p.	of a training presentation on the topic manual skills training Work in albums, search workshop
4	Disinfection mode in dentistry.	Know: Asepsis and antiseptics in dentistry. Disinfection is a concept. Cleaning of tools (stages of implementation). Methods and means of disinfection of tools and premises. Cabinet quartz setting mode. Know the stages of general cleaning of the cabinet. Dentist protection measures Know the duties of nurses and nurses. Storage and utilization of waste	V. A. Golub, O. A. Kosivtsov. Asepsis and antiseptics. Volgograd, 2019. -85 p	. demonstration of an educational presentation on the topic, work in the album. manual skills training
5	Sterilization of dental instruments, quality control of sterilization.	Know and be able to Sterilize, the concept. General principles and methods of sterilization: autoclaving, dry heat sterilization, radiation, glassperlenic sterilization. Methods of sterilization of dental mirrors, filling instruments, hogs, and endodontic instruments. Rules for storage and disposal Sterilization of dental handpieces, care and storage. Rules of safety engineering	V. A. Golub, O. A. Kosivtsov. Asepsis and antiseptics. Volgograd, 2019. -85 p.	Explanation Drawing up a logical and didactic scheme Work in albums
6	Measures of control over the sanitary and hygienic condition of dental offices.	Know and be able to:	Nikolaev A. I., Tsepov L. M. Phantom course of therapeutic dentistry. Study guide. Moscow, 2014.	Explanation, TBL, Demonstration

	Protection of personnel.	Quality control of pre-sterilization treatment of dental instruments. Methods for monitoring the sterility of instruments. Control over the sanitary and hygienic condition of dental offices Instructions for bacterial control in medical institutions of the Republic of Kazakhstan Measures to protect personnel.	V. A. Golub, O. A. Kosivtsov. Asepsis and antiseptics. Volgograd, 2019. -85 p. Polushkina N. N. Handbook of a nurse in a dental office, Moscow, Feniks 2012, 352S.	of a training presentation on the topic Search workshop, simulation exercises
7	Boundary control 1	Assessment of the acquired knowledge on topics 1-6	Final control Testing and practical skills	
8	The concept of hard tooth tissues. Tooth enamel, chemical composition, structure, functions.	Clinical anatomy of hard tooth tissues. Chemical composition of tooth enamel. The structure of enamel in different parts of the tooth crown. Structural unit of enamel - enamel prisms, composition, shape. Be able to draw: Enamel ultrastructure. Functions and properties of enamel.	Yu R. I. Ayapova Zh. O. Fundamentals of oral and dental histology. - TehnoErudit, 2018. - p. 74-89 A. Zh. Petrikas, V. A. Rumyantsev. Prakticheskaya odontologiya [Practical Odontology], Moscow: Medinformagenstvo Publ., 2009, 112S. Borovsky E. V., Leontiev V. K. Biology of the oral cavity. N. Novgorod, 2001	TBL, demonstration of an educational presentation on the topic, compilation of logical and didactic schemes
9	Dentin, chemical composition, structure, functional significance. Tooth cement, functional significance	, structural elements of dentin, chemical composition, histological structure, properties. Dentin fibers, cellular structures of dentin, dentine tubules. Functions. Be able to draw and tell about tooth cement, cellular and cell-free cement. Functions of cement	Yu R. I. Ayapova Zh. O. Fundamentals of oral and dental histology. TehnoErudit Publ., 2018, pp. 109-122. A. Zh. Petrikas, V. A. Rumyantsev. Practical odontology / M.: Medinformagenstvo, 2009.112 P.	TBL, research workshop, compilation of the dictionary
10	Tooth pulp, concept, structure, functions. Periodontal structure, functional significance.	Soft tissues of the tooth. The concept of pulp. Tooth cavity, structure. Describe the anatomy and physiology of the tooth pulp. Know the histological structure. Pulp value. Age-related changes in the pulp. Pulp changes in somatic pathology. Know the histological structure of periodontal tissue and fibers.	Yu R. I. Ayapova Zh. O. Fundamentals of oral and dental histology. Technoerudit Publ., 2018, pp. 109-122. Borovsky E. V., Leontiev V. K. Biology of the oral cavity. N. Novgorod, 2001	TBL, search workshop, work in small groups Work in albums

		Explain the functional significance of periodontal disease.		
11	Structure and functions of the oral mucosa	<p>SOR, meaning, area, development.</p> <p>Anatomical and histological features of the structure of individual sections of the oral mucosa.</p> <p>Multilayered flat non-keratinizing and keratinizing epithelium of the SOR</p> <p>Proper mucosa.</p> <p>Submucosal layer. Cellular composition, fibers.</p> <p>Functions of the oral mucosa.</p>	<p>Yu R. I. Ayapova Zh. O. Fundamentals of oral and dental histology. Technoerudit Publ., 2018, pp. 109-122.</p> <p>Borovsky E. V., Leontiev V. K. Biology of the oral cavity. N. Novgorod, 2001</p> <p>Kirichuk V. F., Ponukalina E. V., Chesnokova N. P., Bizenkova M. N., Polutova N. V. Lecture 1 structural and functional features of the oral mucosa // Scientific Review. Abstract journal. 2018. No. 1. pp. 56-59;</p>	TBL, demonstration of a training presentation on the topic, search workshop
12	Saliva and oral fluid. Composition and properties. Role of oral fluid in physiological and pathological processes in the oral cavity	<p>Saliva, organic and inorganic components, properties.</p> <p>Types of salivary gland secretions. Saliva functions.</p> <p>Oral fluid, composition and properties, quantity.</p> <p>Gingival fluid, composition, quantity is normal.</p> <p>The role of saliva and oral fluid in oral homeostasis.</p> <p>Factors affecting the qualitative and quantitative characteristics of saliva and oral fluid.</p>	<p>Borovsky E. V., Leontiev V. K. Biology of the oral cavity. N. Novgorod, 2001</p> <p>Therapeutic dentistry: Textbook for students of medical universities / Ed. by E. V. Borovsky, Moscow: Meditsinskoe informatsionnoe agency, 567 p.: 2014.</p>	Oral / written survey, brainstorming session, search workshop
13	Oral microflora is normal. Biofilm, composition, properties. The role of microflora in the development of caries and its complications and periodontal pathology.	<p>Know:</p> <p>Normal oral microflora. Physiological role.</p> <p>Species composition of the oral microflora. The main biotopes of the oral cavity.</p> <p>Factors influencing the formation of the microbial flora of the oral cavity. Permanent (resident) oral microflora. Unstable (transient) oral microflora.</p> <p>The concept of biofilm, composition, properties.</p> <p>The role of microflora in the development of pathological processes in the oral cavity (caries, periodontal diseases).</p>	<p>Krendelev M. S. Normal microflora of the human oral cavity // Modern problems of science and education. 2015, No. 5.</p> <p>Bezrukova A. P. Periodontologiya, Moscow, 1999, pp. 67-74.</p> <p>Borovsky E. V., Leontiev V. K. Biologiya polosti rta [Biology of the oral cavity]. N. Novgorod, 2001</p>	TBL, demonstration of a training presentation on the topic, search workshop
14	Caries, concept. Caries resistance. Caries	<p>susceptibility The concept of caries.</p> <p>Demineralization of hard tooth tissues. Caries resistance, factors providing it. Factors that reduce caries resistance.</p>	<p>Borovsky E. V., Leontiev V. K. Biology of the oral cavity. N. Novgorod, 2001</p>	. demonstration of a training presentation on the topic, search

		Caries susceptibility of hard tooth tissues. Methods for assessing enamel permeability. Theoretical foundations of tooth enamel remineralization.	Therapeutic dentistry: / Ed. by E. V. Borovsky. -2014. - Moscow, MIA. - 567 P. Lukinykh L. M. Karies zubov [Dental caries]. Nizhny Novgorod, 2001. - 186 p	workshop, simulation exercises
15	<i>Boundary control No. 2</i>		<i>Final control</i>	<i>Testing and practical skills</i>

*Students prepare a GLOSSARY in workbooks for each lesson

SRSP TASKS (required for each class)

Topic 1. Sanitary and hygienic standards of organization of a dental office

1. Glossary of terminology on the topic of the lesson
2. List the sanitary and hygienic standards for organizing a dental office for providing therapeutic / orthopedic care

Topic 2. Modern equipment and equipment of the dental office (clinic). Organization of a dentist's workplace, safety measures

1. Glossary
2. Make a table of comparative characteristics of modern dental installations:

Type of dental unit	Main features and functions	Advantages	Disadvantages
Air			
Electric			

Topic 3. Modern diagnostic and therapeutic equipment in dental practice. The concept of functional diagnostics

1. Glossary
2. Make a table of comparative characteristics of modern diagnostic devices:

Device name	Purpose	Operating mechanism	Representatives of different companies

Topic 4. Disinfection regime in dentistry

1. Glossary of terms Kazakh/Russian
2. Create a table of the main characteristics of disinfection products in dentistry, for example:

Product name	Concentration	Exposure min	Disinfection method	Purpose (object to be treated)
Deseffect	2.5 %	30	is placed in the solution	Шпателjwith a spatula, tweezers, ironer, stomatologist's pen, etc.
				Dentist. installations
				Dressings
				Equipment and devices
				Plastic products
				Sanitary equipment (sinks, taps)
				Room, furniture

Topic 5. Sterilization of dental instruments, quality control of sterilization.

1. Glossary
2. Create an algorithm for sterilizing dental handpieces

Topic 6. Measures of control over the sanitary and hygienic condition of dental offices. Personnel protection measures. Prevention of hospital infection.

1. Glossary

2. Create an algorithm for general cleaning of the dental office

Topic 8. The concept of hard tooth tissues. Tooth enamel, chemical composition, structure, functions.

1. Glossary
2. Enamel properties and functions (list and indicate what structures are provided), for example:
- enamel permeability-enamel is permeable to organic and inorganic substances (ion exchange) of saliva, because in its structure there are interprismatic microspaces

Topic 9. Dentin, chemical composition, structure, functional significance. Tooth cement, functional value

1. Glossary
2. Functions of dentin and cement

Topic 10. Dental pulp, concept, structure, functions. Periodontal structure, functional significance.

1. Draw the structure of the pulp with the designation of layers
2. Draw the periodontal area and the location of ligaments, their direction by groups: marginal, lateral, apical fiber groups

Topic 11. Structure and functions of the oral mucosa

1. Glossary
2. Drawing of multi-layered flat non-keratinizing epithelium
3. Drawing of the tongue with the localization and name of the papillae of the tongue

Topic 12. Saliva and oral fluid. Composition and properties. Role of oral fluid in physiological and pathological processes in the oral cavity

1. Glossary
2. Table of physical and chemical parameters of mixed saliva of healthy people:

pH	Viscosity	Buffer capacity	Total Protein	Amount per day

Topic 13. The microflora of the oral cavity is normal. Biofilm, composition, properties. The role of microflora in the development of caries and its complications and periodontal pathology.

1. List the main biotopes of the oral cavity and their microbial composition
2. Glossary of terminology
3. 10-slide presentation: Biofilm microflora

Topic 14. Caries, concept. Caries resistance. Caries susceptibility

1. Glossary
2. Properties of hard tooth tissues that provide caries resistance

Team based learning – TBL

	%
Individual -- (IRAT)	30
Group -- (GRAT)	10
Appeal	10
Case Score-	20
Friend Score (bonus)	10
	100%

CAmostoyant work of students

Topics SRS	Type of SRS	Delivery dates
1. Organization and equipment of a mixed admission dental office in a multidisciplinary polyclinic	presentation	to the 1st border control
2. Rules and instructions for dental clinics during the period of restrictive measures during quarantine	presentation	
3. Features of the anatomical and histological structure of the gums. The interdental space. Epithelium of the gingival sulcus	Presentation, cases	For the 2nd border control
4. Ultrastructure of the oral mucosa	Presentation, bibliographic review	
5. Dentinal tubules, dentinal fluid. Role in binding to composite materials	Presentation	
6. Changes in the composition of oral fluid in caries	Presentation	

Requirements for performing the SRS:

Independent work of students should contain the following structural elements:

Title page

- Content:

- *Introduction (topicality of the topic, goals and objectives)*
- *The main part*
- *Conclusion (should contain conclusions, suggestions, recommendations on the content of the work performed, the analysis performed, the problem situation, and the expected results)*
- *List of bibliographic sources used*
- *Applications*

The work must follow the logical sequence and interrelation of parts (chapters) of the work, the work is aesthetically designed and there are no grammatical / stylistic errors

STRUCTURE OF A MULTIMEDIA PRESENTATION:

A presentation on creative work should be presented in PowerPoint (at least 25 slides, text slides should not contain more than 8-10 lines, font Verdana)

- Title page (organization, presentation topic, performer's name, course, group, teacher's name)
- Introduction (generalized relevance of the topic, goals and objectives of the presentation)
- Main part: this part of the presentation includes all tables, diagrams, graphs, and drawings that reflect the essence of the problem. We welcome the inclusion of video reviews, videos made by yourself
- Conclusion (the presentation data is summarized and conclusions are drawn that correspond to the goals and objectives of the presentation)
- List of references with full name of the author, full name of the source, year of publication, number of pages (at least 8-10 sources)

On slides, the text part should not exceed 10 lines in font 30. In the presentation, it is desirable to have informative illustrations. The design of slides should be restrained, do not contain a bright font, animated images, cartoons, etc., it is not recommended to use animation. Color scheme requirements-no more than 3 colors on the 1st slide.

The student should be fluent in the report material and not read the report or slide from the text.

MAKING A LITERATURE REVIEW OR BIBLIOGRAPHIC SEARCH:

It must be printed, no less than 6-8 pages long, tables (Times New Roman font, size 14, 1 interval)

- Title page (organization, review title in capital letters, performer's name, course, group, teacher's name)
- Content (review sections).
- Introduction (purpose and objectives, relevance).
- The main part (disclosure of each problem under study according to the literature data, indicating the source of literature in square brackets);
- Conclusion (abstract information is summarized, conclusions are drawn)
- List of references with full names of authors, full name of the source, year of publication, number of pages

Independent work of the student with the teacher: 20 hours

- working in small groups during school hours
- practical skills development

- participation in the SES of the department, presentations at conferences

Student's extracurricular independent work: 40 hours

- study of special medical literature
- working with electronic information resources, including medical portals on the Internet
- preparation of bibliographic reviews on the topic of the lesson

Evaluation sheet

oral survey of a student with communication skills

№ n /	Evaluation criteria	Level			
		Excellent-18 points	Good-14 points	Acceptable - 10 points	Bad-5 points
1.	Content. Demonstrated detailed and accurate content of the topic	Demonstrates an understanding of the topic, the answer is always supported by facts.	Demonstrates an understanding of the topic content. Almost all answers are supported by facts.	Demonstrated a basic understanding of the topic. The answers were not supported by facts.	A few facts related to the topic. Most of the information is opinion.
2.	Knowledge. Demonstrated knowledge of the subject	Demonstrates a deep knowledge of the topic. Answers all the questions of the teacher, the answers differ in the depth and completeness of the topic disclosure.	Demonstrates working knowledge of the topic. He answered the teacher's questions satisfactorily.	Demonstrates basic knowledge of the topic. Answers the teacher's questions by repeating the answers - without providing any additional information.	Demonstrates little or no knowledge of the topic. Can't answer the teacher's questions or comment on any part of the presentation.
3.	Relationship. Demonstrated an understanding of the essence of processes	Demonstrates a solid knowledge of the main processes, has a terminological apparatus, is able to explain, draw conclusions, and give reasoned answers in full.	Demonstrates knowledge of basic processes, has a terminological apparatus, is able to explain, draw conclusions, give reasoned answers, and allow inaccuracies.	Demonstrates basic knowledge of processes, does not have enough knowledge of terminology, explains it difficult, and draws conclusions with difficulty.	Demonstrates little or no knowledge of basic processes. Does not know the terminology apparatus, can not draw conclusions.
4.	Comments. Demonstrated proficiency in additional information	Demonstrates deep knowledge of the topic. Has additional information on the topic, answers differ in	Demonstrates working knowledge of the topic. Has additional information on the topic, answers differ in	Demonstrates basic knowledge of the topic. Does not have additional information on the topic, and the answers do not	Demonstrates little or no knowledge of the topic. Doesn't have any additional information on the topic.

	on the topic	the depth and completeness of the topic disclosure. Applies examples. Maintains eye contact with everyone.	the depth and completeness of the topic disclosure. Applies examples. I made eye contact several times during the presentation.	differ in the depth and completeness of the topic disclosure. Doesn't apply examples. Occasionally making eye contact with one or two audience members	Doesn't apply examples. He barely looks the audience in the eye. Looks down at record
5.	Audience: Demonstrated the ability to interact with the audience	Demonstrates an excellent rhythm and style of speech based on audience feedback. Calmly and eloquently responds to questions and comments from the audience. Engages the audience throughout the entire presentation.	Demonstrates a good rhythm and style of performance. Adjusted the volume, tempo, and enthusiasm several times. Answered questions from the audience.	Demonstrates satisfactory rhythm and style of performance. Speaks louder at the request of the audience. The speaker felt uncomfortable. The speaker tried to change the enthusiasm or tempo to keep the audience's attention.	I didn't adjust my speech style based on the audience's reaction. I couldn't answer the audience's questions. The speaker made no visible effort to keep the audience interested.
	Total	90	70	50	30

EVALUATION SHEET
LOGICAL AND DIDACTIC SCHEME

№	Evaluation criteria	Level			
		Excellent-16 points	Good - 14 points	Acceptable - 10 points	Bad - 5 points
1	Content: Demonstrated the detailed and accurate content of the drawing/ diagram	Demonstrates the detailed and accurate content of the drawing/ diagram, with a detailed description	Demonstrates the exact content of the drawing/ diagram, with a description	Demonstrates the general content of the drawing/diagram	Demonstrates the weak or complete absence of the content of the drawing / diagram
2	Relationship: Demonstrated the connection between the drawing/diagram	Demonstrates an understanding of the main processes, is able to explain, draw conclusions, give reasoned answers in full.	Demonstrates an understanding of the main processes, is able to explain, draw conclusions, give answers, and allow	Demonstrates a basic understanding of processes, difficult to explain, difficult to draw conclusions.	Demonstrates little or no knowledge of basic processes. Can't draw conclusions.

			inaccuracies.		
3	Visibility. Demonstrated the structure of the drawing / diagram	Demonstrates the complete and detailed structure of the drawing/diagram. Understands the essence of the structure of the depicted objects and objects.	Demonstrates the detailed structure of the drawing / diagram. Understands the essence of the structure of the depicted objects and objects.	Demonstrates that the drawing/diagram is not fully structured. It doesn't understand the structure of the objects and objects depicted.	Demonstrates a weak or complete lack of understanding of the structure of the drawing / diagram. It doesn't understand the structure of the objects and objects depicted.
4	Comments. Demonstrated description of the drawing/diagram	Demonstrates a complete and in-depth description of the drawing/diagram. Adds additional information to the drawing / diagram. Applies examples.	Demonstrates a working description of the drawing / diagram. Adds additional information to the drawing / diagram. Applies examples.	Demonstrates a basic description of the drawing / diagram. It does not add additional information to the drawing / diagram.	Demonstrates a weak or complete absence of a description for the drawing / diagram. There is no additional information for the drawing / diagram.
5	Creative approach. Demonstrated the originality of the drawing / scheme	Demonstrates a high artistic and aesthetic level of execution of the drawing / scheme	Demonstrates a working artistic and aesthetic level of execution of the drawing / scheme	Demonstrates a basic artistic and aesthetic level of execution of the drawing/scheme	Demonstrates a weak artistic and aesthetic level of execution of the drawing / scheme, or lack thereof.
6	Total	80	70	50	30

EVALUATION SHEET

Multi-media presentation

№	Criterion No	. Level, score in points				
		Excellent	Very good	Acceptable	Requires correction	Unacceptable
1.	Availability of a title slide with a title, presentation plan, list of references and Internet sources.	10	8	6		0
2.	Correspondence of the presentation content to the topic and tasks set.	10	8	6	4	0

3.	Arrange the slides in a logical sequence	10	8	6	4	0
4.	Style of presentation of the material (conciseness, clear wording, structure)	10	8	6	4	0
5.	Modern sources of information were used in sufficient quantity	10	8	6	4	0
6.	Ability to generalize the material, make clear and clear conclusions.	10	8	6	4	0
7.	The level of orientation in the presentation material.	10	8	6	4	0
8.	Ability to report clearly, competently, and consistently using scientific terminology.	10	8	6	4	0
9.	Ability to defend your position and respond constructively to criticism.	10	8	6	4	0
10.	Slide design quality (colorfulness, visibility, etc.) .10	10	8	6	4	0
		100	80	60	40	0

**EVALUATION SHEET
HAND TREATMENT**

No n /	a Stages	Excellent	Very good	Acceptable	Requires correction	Unacceptable
1.	Prepare the necessary equipment. The doctor removes rings, watches, rolls up the sleeves of his dressing gown	6	5	4	3	0
2	Opens the water tap, adjusts the water temperature.	6	5	4	3	0
3	Moistens the hands under running water and laps them liberally from the periphery to the center (i.e. from the fingertips to $\frac{1}{2}$ of the forearm).	6	5	4	3	0
4	washes off the soap under a stream of water in the same direction	6	5	4	3	0

5	Laps the hands a second time	6	5	4	3	0
6	Washes using the following hand treatment steps: a) rubbing the palms;	7	5	4	3	0
7	b) the right palm washes the back of the left hand with rubbing movements, left - the back of the right hand (fingers intertwined)	7	5	4	3	0
8	c) palm on palm with fingers crossed wide apart.	7	5	4	3	0
9	d) the fingers of one hand are bent and placed on the other palm (locked).	7	5	4	3	0
10	e) alternating rubbing of the thumbs with opposite palms. Palms are clenched;	7	5	4	3	0
11	f) alternate rubbing of the palms with the closed fingers of the opposite palm.	7	6	4	2	0
12	Washes the hands in running water, holds them so that the wrists and hands are below the level of the elbows	7	6	4	2	0
13	Closes the taps with an elbow or a paper napkin.	7	6	4	2	0
14	Dry your hands with a napkin or individual towel	7	6	4	2	0
15	Apply skin antiseptic on dry hands 3-5 ml, rub for 2 minutes until completely dry.	7	6	4	2	0
	Total	100	80	60	40	0

Score-rating rating of the SRS-creative task (maximum 90 points) + bonuses for English language and time management

	10	8	4	2
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1	Problem focus	Organized focused, highlights all questions related to the main identified problem with an understanding of the specific clinical situation	Organized, focused, highlights all questions related to the main identified problem, but there is no understanding of the specific clinical situation	Unfocused, Distraction to questions not related to the main identified problem	Inaccurate, misses the point, inappropriate data.
2	Informative, effective presentation	All the necessary information on the topic is fully conveyed in a free, consistent, logical manner The product form is adequately selected	All the necessary information is conveyed in a logical manner, but with minor inaccuracies	All the necessary information on the topic is presented chaotically, with minor errors	Important information on the topic is not reflected, gross errors
are not reflected 3	Reliability	The material is based on reliably established facts. Display of understanding by the level or quality of evidence	Some conclusions and conclusions are formulated based on assumptions or incorrect facts. There is no complete understanding of the level or quality of evidence	There is insufficient understanding of the problem, some conclusions and conclusions are based on incomplete and unproven data-questionable resources are used	Conclusions and conclusions are not justified or incorrect
4	Logic and consistency	The presentation is logical and consistent, has internal unity, the provisions in the product follow from each other and are logically interrelated	internal unity, product positions follow from one another, but there are inaccuracies	There is no consistency and logic in the presentation, but it is possible to track the main idea	Jumps from one to another, it is difficult to grasp the main idea
5	Literature analysis	Literary data are presented in a logical relationship, demonstrate a deep study of the main and additional information resources	Literary data demonstrate the study of the main literature	Literary data show the study of the main literature data is not always in place, does not support the consistency and evidence of statements	Inconsistency and randomness in the presentation of data, inconsistency No knowledge of the main textbook
6	Practical significance	High	Significant	Not enough	Not acceptable
7	Patient-oriented	High	Focused	Not enough	Not acceptable

8	Applicability in future practice	High	Applicable	Not enough	Not acceptable
9	Presentation clarity, report quality (speaker's assessment)	Correctly, all the features of Power Point or other e-gadgets are used to the point, fluency in the material, confident manner of presentation	Is overloaded or insufficiently used visual materials, incomplete knowledge of the material	Visual materials are not informative does not confidently report	Does not own the material, does not know how to present
it bon us	English/ Russian/Kazakhstan*	The product is fully delivered in English/Russian/Kazakh (checked by the head of the department) + 10-20 points depending on the quality	of the product prepared in English, submitted in Russian / kaz + 5-10 points depending on the quality (or vice versa)	When preparing the product, we used English-language sources + 2-5 points depending on the quality	
of the bon us	Time management* * 10 points	Product delivered ahead of time 10 points	are awarded Product delivered on time – no points are awarded	Postponement of delivery that does not affect quality Minus 2 points	Delivered late Minus 10 points
Bon us	Rating***	Additional points (up to 10 points)	Outstanding work, for example: Best work in a group Creative approach Innovative approach to completing tasks At the suggestion of the group		
	<p>* - for Kaz/Rus groups-English; for groups studying in English - completing tasks in Russian or Kazakh</p> <p>*The deadline is determined by the teacher, as a rule - the day of border control</p> <p>** so, you can get the maximum 90 points, to get above 90-you need to show a result higher than expected</p>				

EVALUATION SHEET
Disinfection and pre-sterilization preparation of dental instruments

No n /	a Stages	Excellent	Very good	Acceptable	Requires correction	Unacceptable
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1.	Prepared a solution for disinfection (for example, the disinfectant Septolit Dental according to the instructions)	10	8	6	4	0
2	Disassembled the collapsible tools into their component parts	10	8	6	4	0
3	Submerged the tools in the solution, filling all cavities and containers, so that there was at least 1 cm of liquid over the objects	10	8	6	4	0
4	Correctly maintained exposure time in dez solution	10	8	6	4	0
5	Properly rinsed instruments with running water	10	8	6	4	0
6	Correctly cleaned visible dirt with brushes	10	8	6	4	0
7	Hollow instruments (endodontic syringes) cleaned with mandrel and blown with air	10	8	6	4	0
8	Correctly rinsed instruments with distilled water	10	8	6	4	0
9	Correctly placed the air drying tools	10	8	6	4	0
10	Carried out all actions confidently, without breaking the sequence	10	8	6	4	0
	Total	100	80	60	40	0

EVALUATION SHEET
LEXICAL AND GRAMMATICAL COMPETENCE

№ p/p	evaluation Criteria	Level, scoring				
		Excellent	Very good	acceptable	Requires correction	Unacceptabl e
1	knowledge of the theoretical training of the program material, the assimilation of the basic rules of grammar of the Russian language (orthography, orthoepy)	10	8	6	4	0
2	knowledge of the theoretical training of the program material, the assimilation of the basic rules of grammar of the Russian language (vocabulary, phraseology)	10	8	6	4	0

3	knowledge of the theoretical training of the program material, understanding of basic rules of grammar of the Russian language (derivation)	10	8	6	4	0
4	knowledge of the theoretical training of the program material, the assimilation of the basic rules of Russian grammar (morphology)	10	8	6	4	0
5	Completeness of theoretical training program material, learning the basic rules of Russian grammar (syntax)	10	8	6	4	0
6	knowledge of the language and norms types of norms of the literary language	10	8		4	0
7	knowledge of the basic language functions, types and forms of speech, of the peculiarities of functional styles of speech	10	8	6	4	0
8	determination of the main characteristics of a medical text as the lead unit in a special system of verbal communication	10	8	6	4	0
9	Knowledge of the characteristic features of scientific style features of scientific language and genres of scientific style and sub-genres of scientific style (actually-scientific, popular scientific, educational-scientific)	10	8	6	4	0
10	knowledge of the structural and semantic segmentation of the text	10	8	6	4	0
	total points	100	80	60	40	0

PRACTICAL SKILLS ASSESSMENT SHEET (SPEAKING)

№ n /	a Evaluation criteria	Level, score in points			
		Excellent	Acceptable	Requires correction	Unacceptable
1	Demonstrated fluency in the educational material	10	7.5	5	0
2	Demonstrated stylistically competent, logically correct presentation of answers to questions	10	7.5	5	0
3	Demonstrated awareness and understanding of the understanding of the material studied	10	7.5	5	0
4	Correctly answered the questions and made a choice reasonable conclusions	10	7.5	5	0
5	Demonstrated the ability to present the studied material from the point of view of the norms of the literary language	10	7.5	5	0

6	Demonstrated the ability to independently perform a practical task	10	7.5	5	0
7	Demonstrated an understanding of the main provisions of the topic, definitions of concepts and wording of rules	10	7.5	5	0
8	Demonstrated the ability to independently correct mistakes.	10	7.5	5	0
9	Demonstrated the ability to use active vocabulary in compliance with grammatical and stylistic norms.	10	7.5	5	0
10	Showed activity in practical classes when performing creative tasks.	10	7.5	5	0
	Total points	100	75	50	0

LEVEL OF COMPETENCE DEVELOPMENT

By discipline-Professional Kazakh/Russian language

	Competence	Level
Know	To greet the patient in the language of communication	II
Know how (rules and instructions for performing)	Ask and write down passport data in Kazakh/Russian	II
	Diagnostic devices EDI, apexlocator	
	Connect the dental unit	II
	Disconnect after work, release air from the compressor	II
	Treatment of the dentist's hands	II
	Preparation for operation of the dental unit	II
	Pre-sterilization cleaning of instruments	II
	Disposal of used disposable instruments and medical gloves	II
	Disposal of used materials	II
	Clinical anatomy, physiology, biochemistry, ultrastructure of organs and tissues of the oral cavity, saliva, gingival and oral fluid	II
	Normal composition of the oral microbial flora	II
Be able to:	Draw the anatomical shape of the tooth with an indication of the structures of enamel, dentin, pulp and periodontal	II
	Schematically display periodontal fibers with names	II
	Determine the equipment for EDI, apexlocator	II
	Determine the electrical excitability of the pulp	III

	Fill in the dental formula	III
	Write down the patient's passport data	III

Map of educational and methodical provision of the discipline

#	Information resources	Number of students studying the discipline (expected enrollment)	Quantity in the library of Al-Farabi		
			Kazakh National University kaz	rus	English
Educational literature (title, year of publication, authors) in electronic version					
1	Borovsky E. V. et al.: Therapeutic dentistry / Textbook, Moscow, 2001				
2	Surgical dentistry: textbook. Afanasyev V. V. M.: Geotar-Media, 2011-3	-			
3	Therapeutic dentistry: textbook.-method. manual in 2 hours for students. stom. fakt. / A. G. Tretyakovich [et al.]. 2nd ed. Minsk: BSMU, 2006. Ch. 2.4				
4	Baart Zh. A. Local anesthesia in dentistry: translated from English/ Zh.A. Baart, H. S. Brand editors).- M.: Мед.лит., 2010				
5	Practical Russian-English Medical Conversational Guide				
6	B.R.Petrov,A.V.Ovdenko,I.P.Petrova.				
7	Oxford English for Career. Sam McCarter, 2006.8				
8	Skills for communicating with patients, J. Silverman, 2013				
Online resources:					
	Volkov E. A., Therapeutic dentistry. Dental diseases. V 3 ch. Ch. 1. [Electronic resource] : textbook / ed. by E. A. Volkov, O. O. Yanushevich-Moscow: GEOTAR-Media, 2015. - 168 p. - ISBN 978-5-9704-3339-3-Access mode: http://www.rosmedlib.ru/book/ISBN9785970433393.html http://www.rosmedlib.ru/book/ISBN9785970433393.html G. M. Barer, Therapeutic dentistry. In 3 parts. Part 3. Diseases of the oral mucosa. [Electronic resource]: textbook / Edited by G. M. Barer-2nd ed., additional and revised-Moscow: GEOTAR-Media,			+	

	<p>2015. - 256 p. - ISBN 978-5-9704-3460-4-Access mode:http://www.rosmedlib.ru/book/ISBN9785970434604.html</p> <p>Litvinenko L. M., Human anatomy. Atlas for dentists, orthopedic dentists [Electronic resource] / L. M. Litvinenko, D. B. Nikityuk-Moscow: Littera, 2017. - 656 p. - ISBN 978-5-4235-0230-0-Access mode:http://www.rosmedlib.ru/book/ISBN9785423502300.html</p> <p>Dmitrieva L. A., Therapeutic dentistry [Electronic resource]: national guide / ed. by L. A. Dmitrieva, Yu. M. Maksimovsky- 2nd ed., reprint. Moscow : GEOTAR - Media Publ., 2015, 888 p. (National Guidelines Series) - ISBN 978-5-9704-3476-5-Available at: http://www.rosmedlib.ru/book/ISBN9785970434765.htm</p>			
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Application

SYLLABUS INTRODUCTION SHEET

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