



Educational institution
Roel Metropolitan University

Quality Management System
Syllabus for the discipline "Dentistry"
Specialty 560001 "General Medicine" of the Educational Institution "RMU"

Educational institution "RMU"
Department of Dental Disciplines

Syllabus
in the discipline "Dentistry"
for students majoring in 560001 "General Medicine"

Form of study	on a permanent basis
Course	2
Semester	4
Exam	4
Total number of credits in the syllabus	2
The total number of hours allocated to the syllabus	60
Lectures	18
Practical classes	18
Independent work	24

Syllabus Developer:
Zholdoshbekova A. E.

Reviewed and approved at a meeting of
the Department of Dental Disciplines.

Protocol No. 1 dated "6"

September 2025.

Head of department Bektasheva A.K.

[Signature]
(signature)

Bishkek 2025

Lecturer: Zholdoshbekova A.
tel.: +996557447010 (WhatsApp)
Email: ayana.joldoshbekova@gmail.com

Scope of the discipline and types of academic work

Well	Semester	Weeks	Total number of teaching hours		Number of hours of independent work		Total number of hours	Number of modules
			Lecture	Practical classes	SIW	SIW		
2	4	18	18	18	12	12	60	2

Annotation of the academic discipline. "Dentistry" is an academic discipline for the preparation of students of the Faculty of Medicine and is aimed at developing in future general practitioners a systematic knowledge of the structure, functions and pathology of the oral cavity organs, as well as the role of dental status in the general condition of the body. This course develops students' understanding of the relationship between dental diseases and systemic pathology (cardiovascular, endocrine, infectious diseases), as well as the role of the general practitioner in early detection, prevention, and referral of patients to the dentist.

The purpose and objectives of the discipline

The purpose of discipline

The main goal of training in the discipline "Dentistry" is to develop students' systematic knowledge of diseases of the oral cavity and maxillofacial region, their relationship with general somatic pathology, and to develop practical skills in primary diagnosis, prevention and emergency care for dental patients in general medical practice.

Objectives of the discipline

- to study the structure of teeth, periodontium and oral mucosa
- to master the morphological and functional features of the tissues of the oral cavity;
- study the classifications and nosological forms of dental diseases;
- to analyze the etiological factors and mechanisms of development of caries and its complications;
- to study diseases of the periodontium and oral mucosa;
- master the basic methods of dental examination of a patient;
- learn how to examine and assess the condition of the oral cavity;
- master the interpretation of data from additional diagnostic methods (X-ray, etc.);
- study the basics of differential diagnosis of dental diseases;
- master the principles of prevention and oral hygiene;
- learn to identify dental pathology during a general practitioner appointment.

After mastering this discipline, the student:

Will know:

- anatomical and histological structure of teeth, periodontium and oral mucosa;
- physiological functions of teeth, processes of eruption and physiological change of teeth;
- types of occlusion and their clinical significance;
- basic and additional examination methods in dentistry;
- etiology and pathogenesis of caries and its complications (pulpitis, periodontitis);
- classification of dental diseases and their clinical manifestations;
- types of local anesthesia, indications, contraindications and possible complications;
- basics of surgical interventions (tooth extraction, tooth-preserving operations);
- principles of orthopedic treatment, types of prostheses and stages of prosthetics;
- Features of dental care for children and elderly patients;
- congenital anomalies of the dental system;
- classification of stomatitis and characteristics of lesions of the oral mucosa;

Will understand

- the relationship between the structure and function of the oral cavity organs;
- mechanisms of development of caries and inflammatory diseases;
- the role of microflora in the development of dental diseases;
- principles of choosing diagnostic methods depending on the clinical situation;
- the importance of anesthesia for safe and effective treatment;
- logical sequence of providing dental care;
- features of the course of dental diseases in children and elderly patients;
- the impact of dental pathology on the general condition of the body.
- principles of prevention of dental diseases;
- the importance of an interdisciplinary approach in treating patients;

Will be able to use

- knowledge of anatomy and physiology when assessing the condition of the oral cavity;
 - basic examination methods (inspection, percussion, palpation, thermal diagnostics);
 - classification of diseases when making a preliminary diagnosis;
 - X-ray data to clarify the diagnosis;
 - algorithms for diagnosing dental diseases;
 - principles of choosing an anesthesia method;
 - knowledge of prosthetics when planning treatment;
- prevention methods in patient counseling;

Will be able to carry out

- collect complaints and anamnesis taking into account the patient's dental status;

- perform a full clinical examination of the oral cavity (teeth, periodontium, mucous membrane, occlusion);
- assess the patient's dental status and identify pathological changes;
- identify clinical signs of caries and its complications (pulpitis, periodontitis);
- conduct basic dental examination methods (percussion, palpation, thermal diagnostics);
- determine indications and contraindications for the use of local anesthesia;
- provide first aid for acute dental conditions (pain, inflammation, dental trauma);
- determine indications for tooth extraction and other surgical interventions (at the level of a general practitioner);
- assess the need for tooth-preserving operations and refer the patient to a specialist;
- to form a preliminary clinical diagnosis based on examination and survey data;
- determine indications for radiological and other additional research methods;
- interpret the results of radiographic examinations at a basic level;
- advise patients on oral hygiene and prevention of dental diseases;
- provide recommendations for oral care taking into account the patient's age (children, adults, elderly);
- participate in preventive examinations and screening for dental diseases;
- identify congenital anomalies of the dental system and determine the need for specialized care;
- assess the condition of the oral mucosa and identify signs of stomatitis;
- take into account the peculiarities of dental treatment in children and elderly patients;
- ensure compliance with the principles of infection safety when examining a patient;
- to carry out interdisciplinary interaction, referring the patient to the dentist and other specialists;

Will be able to analyze

- clinical symptoms of dental diseases;
- data from examination and additional research methods;
- differences between similar dental diseases;
- causes of development of pathological processes in the oral cavity;
- the effectiveness of various diagnostic methods;
- risks and complications during anesthesia;
- features of the course of diseases in different age groups;

Will be able to synthesize

- clinical and instrumental data for making a preliminary diagnosis;
- plan for further examination of the patient;
- first aid algorithm;
- a set of preventive measures;
- personalized oral care recommendations;
- interdisciplinary approach to patient care;

Will be able to evaluate

- the patient's oral health and hygiene level;
- severity of dental disease;
- the need and urgency of referral to a specialist;
- effectiveness of diagnostic methods;
- risks of developing complications;
- validity of the chosen patient management tactics;
- the impact of dental pathology on the general health of the patient.

Subject plan for studying the discipline and competency matrix(workload is indicated in academic hours)

No.	Name sections and topics disciplines (lectures and practical classes)	Classroom activities				Total hours on classroom work	SRSP	Independent work of a	Formed competencies	Used educational technologies, methods and techniques of	Dummies	Forms of current and border control academic performance
		lectures	seminars	practical classes	laboratory work							
	4th semester											
1	Anatomy and histology of teeth. Physiological replacement of teeth. Functions of the tooth. Occlusion and its types.	2		2		4	2	2	PC-1	lecture using video materials	Models of jaws in permanent and mixed dentition	Assessment of the acquisition of practical skills (abilities)
2	Examination methods in dentistry. Basic and additional.	2		2		4	2		PC-1, PC-7	lecture-visualization	Model of jaws using basic instruments (probe, mirror, tweezers)	Testing, control work. Assessment of the acquisition of practical skills (abilities).

3	Anesthesia in dentistry. Types, indications, contraindications, complications.	2		2		4		2	PC-1, PC-7	lecture using video materials	Skull model using a carpule syringe	Testing, solving situational problems
4	Dental caries and its complications (pulpitis, periodontitis). Etiology, pathogenesis, classification, clinical presentation, differential diagnosis, and treatment.	2		2		4	2	2	PC-1, PC-7, PC-28	lecture-visualization	Jaw models, artificial teeth	Testing. Control work. Assessing the acquisition of practical skills (abilities). Solving situational problems
5	Tooth extraction. Tooth-preserving surgeries. Definition, methodology, indications, contraindications.	2		2		4	2	2	PC-1, PC-7, PC-28	lecture using video materials	Tooth extraction instruments	analysis of clinical cases. Use of computer-based training programs
6	Dental prostheses. Their types, classification, indications, and contraindications.	2		2		4	2		PC-1, PC-7, PC-28	problematic lecture	Models of jaws with missing teeth, materials for taking impressions,	Testing Test work. Assessing the acquisition of practical skills

										<i>impression trays</i>	<i>(abilities). Solving situational problems</i>	
7	Providing dental care to children. Anatomical and physiological characteristics of primary teeth. Treatment features.	2		2		4		2	PC-1, PC-7, PC-28	<i>lecture using video materials</i>	<i>Jaw models, artificial teeth</i>	<i>Analysis of clinical cases. Assessment of the acquisition of practical skills (abilities).</i>
8	Congenital anomalies of the dentoalveolar system. Etiology, classification, treatment.	2		2		4		2	PC-1, PC-7, PC-28	<i>lecture-visualization</i>	<i>Skull model</i>	<i>Analysis of clinical cases, situational tasks</i>
9	Develop your own dental clinic business plan in PDF format with illustrations	2		2		4	2		PC-1, PC-7, PC-28	<i>problematic lecture</i>		<i>Analysis of clinical cases. Assessment of the acquisition of practical skills (abilities).</i>
	Total hours by discipline:	18		18		36	12	12				60

Guidelines for completing practical classes

Practical training in management and marketing follows the lecture course and serves as an explanatory, generalizing, and reinforcing tool. These can be conducted in either virtual classrooms or in a clinical setting.

Lesson preparation plan:

1. Review of lecture notes and textbook on the topic.
2. Familiarization with the instruments and materials required to perform manipulations.
3. Preparing answers to self-assessment questions.

Guidelines for completing independent work (IW)

When studying the discipline "Dentistry", the following types of independent work are used:

- Study of theoretical material from lecture notes and textbooks.
- Independent study of specific issues with preparation of presentations.
- Analysis of popular science articles on current issues.
- Solving situational problems

Organization of independent work of students

No.	Topic of independent work for students of 4th semester:	Assignment for independent work	Recommended Literature	Deadlines surrender (week number)
1.	The structure of the tooth and the dentoalveolar system. The main histological structures in the oral cavity.	Preparation of a report, schematic representation	1. Human Anatomy. Atlas for Dentists and Orthopedic Dentists / L. M. Litvinenko, D. B. Nikityuk - Moscow: Litterra, 2017 2. Baranchugova, L. M. Histology and embryogenesis of the oral cavity organs: a tutorial / L. M. Baranchugova, V. I. Obydenko, Ts. B. Bayaskhalanova. - Moscow: GEOTAR-Media, 2025 3. Biochemistry of the connective tissue. Biochemistry of mixed saliva / Glukhov AI, Babchenko EV - Moscow: GEOTAR-Media, 2019 4. Propaedeutics of dental diseases: textbook / O. O. Yanushevich, E. A. Bazikyan, A. A. Chunikhin [et al.]; edited by O. O. Yanushevich, E. A. Bazikyan. - Moscow: GEOTAR-Media, 2023 5. Histology and embryology of the oral cavity organs and teeth: a tutorial / Gemonov V.V., Lavrova E.N., Falin L.I. - Moscow: GEOTAR-Media, 2019	1
2.	Timing of eruption of primary and permanent teeth. Differences between primary and permanent teeth. Types of occlusion.	Abstract, presentation, preparation of a report describing clinical cases.	1. Introduction to Dentistry / Sevbitov AV - Moscow: GEOTAR-Media, 2018 2. Baranchugova, L. M. Histology and embryogenesis of the oral cavity organs: a tutorial / L. M. Baranchugova, V. I. Obydenko, Ts. B. Bayaskhalanova. - Moscow: GEOTAR-Media, 2025 3. Biological Chemistry. Biochemistry of the Oral Cavity:	2

			<p>Textbook / T. P. Vavilova, A. E. Medvedev. - Moscow: GEOTAR-Media, 2023</p> <p>4. Pediatric Dentistry: A Textbook / Edited by Ad. A. Mamedov, N. A. Geppe - Moscow: GEOTAR-Media, 2020</p> <p>5. Fundamentals of anatomy, occlusion and articulation in dentistry / Abakarov S. I. - Moscow: GEOTAR-Media, 2019.</p>	
3.	Algorithm for collecting anamnesis from patients with oral complaints.	Abstract, presentation, report preparation.	<p>1. Introduction to Dentistry / Sevbitov AV - Moscow: GEOTAR-Media, 2018</p> <p>2. Propaedeutics of dental diseases: textbook / O. O. Yanushevich, E. A. Bazikyan, A. A. Chunikhin [et al.]; edited by O. O. Yanushevich, E. A. Bazikyan. - Moscow: GEOTAR-Media, 2023</p> <p>3. Patient management plans. Dentistry / O. Yu. Atkov et al.; edited by O. Yu. Atkov, V. M. Kamenskikh, V. R. Besyakov. - 2nd ed., corrected and enlarged. - Moscow: GEOTAR-Media, 2015</p> <p>4. X-ray anatomy and X-ray diagnostics in dentistry: a textbook / V. P. Truten. - 2nd ed., revised and enlarged. - Moscow: GEOTAR-Media, 2020</p> <p>5. Propaedeutics of dental diseases: textbook / edited by S. N. Razumova, I. Yu. Lebedenko, S. Yu. Ivanov - Moscow: GEOTAR-Media, 2019</p>	3
4.	Dental X-ray examination. Methods. Indications and contraindications. Modern dental imaging techniques.	Abstract, presentation, report preparation.	<p>1. Radiological studies in dentistry and maxillofacial surgery: atlas / A. P. Arzhantsev. - Moscow: GEOTAR-Media, 2019.</p> <p>2. Propaedeutics of dental diseases: textbook / edited by S. N. Razumova, I. Yu. Lebedenko, S. Yu. Ivanov - Moscow: GEOTAR-Media, 2019</p>	4

			<p>3. Radiological studies in dentistry and maxillofacial surgery: atlas / A. P. Arzhantsev. - Moscow: GEOTAR-Media, 2019.</p> <p>4. X-ray anatomy and X-ray diagnostics in dentistry: a textbook / V. P. Truten. - 2nd ed., revised and enlarged. - Moscow: GEOTAR-Media, 2020</p> <p>5. Introduction to Dentistry / Sevbitov AV - Moscow: GEOTAR-Media, 2018</p>	
5	<p>Disinfection and sterilization in dentistry. Types and methods. Office disinfection, cleaning methods. Instrument processing.</p>	<p>Abstract, presentation, report preparation.</p>	<p>1. Introduction to Dentistry / Sevbitov AV - Moscow: GEOTAR-Media, 2018</p> <p>2. Features of disinfection and sterilization in dentistry: a textbook / edited by E. A. Bazikyan. - Moscow: GEOTAR-Media, 2020</p> <p>3. Features of disinfection and sterilization in dentistry: a textbook / E. A. Bazikyan - Moscow: GEOTAR-Media, 2016</p> <p>4. Epidemiology: a textbook for students majoring in Dentistry / edited by N.I. Briko, Yu.V. Martynov. — Moscow: GEOTAR-Media, 2025</p> <p>5. Organization and equipping of a dental clinic and office. Sanitary and hygienic requirements. Ergonomic principles of a dentist's work: a textbook / edited by E. A. Bazikyan. - Moscow: GEOTAR-Media, 2016</p>	5
6	<p>Dental instruments. Diagnostic instruments. Handpieces, burs.</p>	<p>Abstract, presentation, report preparation.</p>	<p>1. Dental instruments: atlas / E. A. Bazikyan. - 3rd ed. , erased - Moscow: GEOTAR-Media, 2017</p> <p>2. Organization and equipping of a dental clinic and office. Sanitary and hygienic requirements. Ergonomic principles of a dentist's work: a textbook / edited by E. A. Bazikyan. - Moscow: GEOTAR-Media, 2016</p>	6

			<p>3. Propaedeutic dentistry: textbook / E. S. Kalivradzhiyan et al. - Moscow: GEOTAR-Media, 2014</p> <p>4. Introduction to Dentistry / Sevbitov AV - Moscow: GEOTAR-Media, 2018</p> <p>5. Propaedeutics of dental diseases: textbook / O. O. Yanushevich, E. A. Bazikyan, A. A. Chunikhin [et al.]; edited by O. O. Yanushevich, E. A. Bazikyan. - Moscow: GEOTAR-Media, 2023</p>	
7	Antibiotic therapy in dentistry. Indications and risks.	Abstract, presentation, report preparation.	<p>1. Antibiotic therapy and antibiotic prophylaxis of purulent infection in maxillofacial surgery: a tutorial / S. Yu. Ivanov - Moscow: GEOTAR-Media, 2017</p> <p>2. Microbiology, virology, immunology of the oral cavity: textbook / ed. V. N. Tsareva. - 2nd ed. , processed and additional - Language: GEOTAR-Media, 2021</p> <p>3. Interaction of dental materials with the human body: a tutorial / Kurbanov O. R., Alieva A. O., Kurbanov Z. O. - Moscow: GEOTAR-Media, 2019</p> <p>4. Medical rehabilitation in dentistry / V. A. Epifanov [et al.] - Moscow: GEOTAR-Media, 2016</p> <p>5. Anesthesia and intensive care in dentistry / Gritsuk S. F. - Moscow: GEOTAR-Media, 2012.</p>	6
8	Professional oral hygiene. Methods and tools. Individual oral hygiene.	Abstract, presentation. Preparation using dummies.	<p>1. Therapeutic dentistry. Dental diseases. In 3 parts. Part 1.: textbook / edited by E. A. Volkov, O. O. Yanushevich - Moscow: GEOTAR-Media, 2016</p> <p>2. Therapeutic dentistry. Caries and diseases of dental hard tissues. Endodontics: a guide to practical classes: a tutorial / Yu. M. Maksimovsky, A. V. Mitronin; edited by Yu. M. Maksimovsky. - Moscow: GEOTAR-Media, 2021</p>	7

			<p>3. Therapeutic dentistry. In 3 parts. Part 3. Diseases of the oral mucosa: textbook / Ed. G. M. Barer - 2nd ed., supplemented and revised. - Moscow: GEOTAR-Media, 2015</p> <p>4. Therapeutic dentistry. Dental diseases. In 3 parts. Part 1.: textbook / edited by E. A. Volkov, O. O. Yanushevich - Moscow: GEOTAR-Media, 2015.</p> <p>5. Therapeutic dentistry: in 3 parts. Part 2: Periodontal diseases: textbook / edited by G. M. Barer. - Moscow: GEOTAR-Media, 2021</p>	
9	Emergency situations in dental practice.	Abstract, presentation, report preparation.	<p>1. Introduction to Dentistry / Sevbitov AV - Moscow: GEOTAR-Media, 2018</p> <p>2. Emergencies in dental practice: a teaching aid / S. A. Demyanenko, D. A. Kazantsev, O. N. Kazantseva, G. R. Geletysan. - Moscow: GEOTAR-Media, 2025</p> <p>3. Medico-legal and expert assessment of cases of adverse outcomes in the provision of dental care: a study guide / edited by O. O. Yanushevich. - Moscow: GEOTAR-Media, 2023</p> <p>4. Surgical Dentistry: Textbook / edited by S. V. Tarasenko. - Moscow: GEOTAR-Media, 2021</p> <p>5. Pain relief and emergency care in outpatient dental practice: a tutorial / Sokhov S. T. [et al.] - Moscow: GEOTAR-Media, 2019.</p>	7
10	Ethics and deontology in dental practice. Informed patient consent.	Abstract, presentation, report preparation.	<p>1. Introduction to Dentistry / Sevbitov AV - Moscow: GEOTAR-Media, 2018</p> <p>2. Medico-legal and expert assessment of cases of adverse outcomes in the provision of dental care: a textbook / edited by O. O. Yanushevich. - Moscow: GEOTAR-Media, 2023</p>	7

			<p>3. Psychology of doctor-patient relationships: textbook / L. I. Larentsova, N. B. Smirnova - Moscow: GEOTAR-Media, 2014</p> <p>4. Propaedeutics of dental diseases: textbook / edited by S. N. Razumova, I. Yu. Lebedenko, S. Yu. Ivanov - Moscow: GEOTAR-Media, 2019</p>	
11	<p>Odontogenic infections. Routes of transmission and complications. Abscesses and phlegmons of the oral cavity.</p>	<p>Abstract, presentation, report preparation.</p>	<p>1. Surgical Dentistry: textbook / V. V. Afanasyev [et al.]; edited by V. V. Afanasyev. - 3rd ed., revised. - Moscow: GEOTAR-Media, 2021</p> <p>2. Maxillofacial surgery: textbook / edited by A. Yu. Drobyshev, O. O. Yanushevich. - Moscow: GEOTAR-Media, 2021</p> <p>3. Abscesses and phlegmons of the maxillofacial region and neck. Atlas: study guide: study guide / Afanasyev V. V., Yanushevich O. O., Urgunaliyev B. K. - Moscow: GEOTAR-Media, 2019</p> <p>4. Odontogenic inflammatory diseases - simple about the complex / E. A. Bazikyan, A. A. Chunikhin - Moscow: GEOTAR-Media, 2017</p> <p>5. Odontogenic inflammatory diseases of the oral cavity / E. A. Bazikyan, A. I. Bychkov, I. Yu. Goncharov, M. V. Kozlova, G. N. Zhuruli, G. A. Volozhin, M. B. Morozov, A. A. Chunikhin, O. A. Bazikyan, M. N. Zudina - Moscow: GEOTAR-Media, 2017.</p>	8
12	<p>The impact of tooth loss on the gastrointestinal tract and the general condition of the patient.</p>	<p>Abstract, presentation, report preparation.</p>	<p>1. Orthopedic dentistry (fixed dental prosthetics): textbook / O. R. Kurbanov, A. I. Abdurakhmanov, S. I. Abakarov - Moscow: GEOTAR-Media, 2015</p> <p>2. Orthopedic dentistry. Materials and technologies: textbook / A. I. Abdurakhmanov, O. R. Kurbanov. - 3rd ed., processed and additional - Moscow: GEOTAR-Media, 2016</p>	8

			<p>3. Orthopedic dentistry: textbook / edited by E. S. Kalivradzhiyan, I. Yu. Lebedenko, E. A. Bragin, I. P. Ryzhova - Moscow: GEOTAR-Media, 2018.</p> <p>4. Propaedeutics of dental diseases: textbook / edited by S. N. Razumova, I. Yu. Lebedenko, S. Yu. Ivanov - Moscow: GEOTAR-Media, 2019</p> <p>5. Microprosthetics in Dentistry: textbook / S. I. Abakarov, D. V. Sorokin, D. S. Abakarova; edited by S. I. Abakarov. - Moscow: GEOTAR-Media, 2023</p>	
13	The impact of maternal somatic illnesses during pregnancy on the condition of the child's primary teeth. Pregnancy and the risk of developing dental caries in primary teeth.	Abstract, presentation, report preparation.	<p>1. Somatic diseases during pregnancy (interdisciplinary consensus): a teaching aid / edited by L. I. Ilyenko, N. V. Orlova, R. I. Shalina, D. N. Protsenko. - 2nd ed., revised and enlarged. - Moscow: GEOTAR-Media, 2026</p> <p>2. Pediatric Dentistry: textbook / edited by Yanushevich O. O., Kiselnikova L. P., Topolnitsky O. Z. - Moscow: GEOTAR-Media, 2020</p> <p>3. Pediatric Dentistry: A Textbook / Edited by Ad. A. Mamedov, N. A. Geppe - Moscow: GEOTAR-Media, 2020</p> <p>4. Histology and embryology of the oral cavity organs and teeth / V. V. Gemonov, E. N. Lavrova, L. I. Falin - Moscow: GEOTAR-Media, 2016</p> <p>5. Teething diseases / E. A. Bazikyan, A. I. Bychkov, M. V. Kozlova, G. N. Zhuruli, G. A. Volozhin, M. B. Morozov, A. A. Chunikhin, M. N. Zudina - Moscow: GEOTAR-Media, 2017</p>	8
14	Diseases of the salivary glands. Diagnostic methods. The impact of systemic diseases on	Abstract, presentation, report preparation.	<p>1. Surgical Dentistry. Inflammatory and Degenerative Diseases of the Salivary Glands: A Textbook / edited by A. M. Panin.</p>	9

	salivary gland function.		<p>- 2nd ed., revised and enlarged. - Moscow: Litterra, 2020</p> <p>2. X-ray anatomy and X-ray diagnostics in dentistry: a textbook / V. P. Truten. - 2nd ed., revised and enlarged. - Moscow: GEOTAR-Media, 2020</p> <p>3. Obstetrics/ed. by V. E. Radzinskiy, A. M. Fuks, Ch. G. Gagaev. M.: GEOTAR-Media, 2023</p> <p>4. Diseases, injuries and malformations of the salivary glands / V. V. Afanasyev, M. R. Abdusalamov; edited by V. V. Afanasyev - Moscow: GEOTAR-Media, 2016.</p> <p>5. Surgical Dentistry: Textbook / edited by S. V. Tarasenko. - Moscow: GEOTAR-Media, 2021</p>
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Guidelines/instructions for students

3.1. Methodological recommendations for students on studying the discipline

The theoretical component of the Dentistry course is designed not only to deepen and consolidate the knowledge gained in the classroom, but also to promote the development of students' thinking, initiative, and skills in organizing the work time of a dentist.

- **Working with lectures:** The material taken during lectures must be regularly reviewed and supplemented with information from relevant periodicals.
- **Preparation for the topics:** When studying a new topic, it is necessary to first read the recommended literature and make a brief summary of the main provisions, classifications and treatment protocols.
- **Workbook:** Each student keeps a workbook (practical classes diary), the design of which must meet the following requirements:
 - Availability of a title page indicating full name, group and course.
 - Numbering of each work, recording of the date and topic of the lesson.
 - Recording the title of the work, the purpose, description of the clinical situation or stages of preparation/filling.
 - **Graphic part:** Presentation of diagrams, graphic representation of carious cavities, filling in the dental formula.

- **Conclusions:** At the end of each work, a justification for the chosen treatment method or a brief conclusion based on the results of the clinical analysis is formulated.

Abstract -This is a brief written summary of the content of a scientific paper on a given topic. It is an independent research project in which the student explores the essence of the problem being studied, using elements of analysis relevant to the essay topic.

The essay presents various points of view, as well as personal perspectives on the issues raised in the essay topic. The essay's content should be logical, and the presentation of the material should be problem-based and thematic.

Requirements for writing annotations:

The annotation may be 9 to 10 pages long, typed or handwritten.

Main sections: table of contents (brief outline), introduction, main content, conclusion, bibliography.

The annotation text should contain the following sections:

- Title page indicating: name of the university, faculty, topic of the abstract, full name of the author and full name of the instructor.

–Introduction, relevance of the topic

–main section

–Conclusion (analysis of literature search results)

conclusions

–The list of references must contain at least 10 bibliographic titles, including online resources.

The text part of the annotation is drawn up on a sheet of paper in the following format:

–Top margin – 2 cm; left margin – 3 cm; right margin – 1.5 cm; bottom margin – 2.5 cm;

–Text font: Times New Roman, font height – 14, spacing – 1.5;

–Page numbers are at the bottom of the page. The first page is unnumbered. The abstract must be completed correctly and in accordance with generally accepted presentation formatting standards.

References must be included, including periodicals from the past five years.

Abstract evaluation criteria:

–Relevance of the research topic;

–compliance of the content with the topic;

–depth of material processing;

–the correctness and completeness of the formulation of the questions posed;

–the significance of the results obtained for further practical activities;

–correctness and completeness of use of literature;

–compliance of the abstract project with the standard;

–Quality of presentation and answers to questions during the defense of the report abstract.

Report -This is a brief but informative message reflecting the essence of the issue under consideration and various opinions on the topic under study. In some cases, the author's personal perspective may be expressed within the framework of thematic questions.

Reporting requirements:

The volume of text should not exceed five printed pages.

The quality report has four main structural elements:

- 1) introduction;
- 2) Introduction (at this stage, the speaker must interest the audience, formulate the relevance and novelty of the research, emphasize the importance and purpose of the work performed);
- 3) the main part (it describes the research methods used, the work done, and analyzes the results obtained);
- 4) conclusion (summarizing the results of the work).

The text part of the report has been compiled. on a sheet of the following format:

- Top margin – 2 cm; left margin – 3 cm; right margin – 1.5 cm; bottom margin – 2.5 cm;
- Text font: Times New Roman, font height – 14, spacing – 1.5;
- Page numbers are at the bottom of the sheet. There is no number on the first page.

Evaluation criteria:

- timeliness of submission;
- compliance with requirements;
- depth of material processing;
- compliance of the content with the topic;
- correctness and completeness of the source use.

List of basic and additional literature

- Main literature

A)Main literature

1. Introduction to Dentistry / Sevbitov AV - Moscow: GEOTAR-Media, 2018
2. Baranchugova, L. M. Histology and embryogenesis of the oral cavity organs: a tutorial / L. M. Baranchugova, V. I. Obydenko, Ts. B. Bayaskhalanova. - Moscow: GEOTAR-Media, 2025
3. Propaedeutics of dental diseases: textbook / O. O. Yanushevich, E. A. Bazikyan, A. A. Chunikhin [et al.]; edited by O. O. Yanushevich, E. A. Bazikyan. - Moscow: GEOTAR-Media, 2023

4. Emergencies in dental practice: a teaching aid / S. A. Demyanenko, D. A. Kazantsev, O. N. Kazantseva, G. R. Geletsyan. - Moscow: GEOTAR-Media, 2025
5. Therapeutic dentistry: textbook / O. O. Yanushevich, Yu. M. Maksimovsky, L. N. Maksimovskaya, L. Yu. Orekhova. - 3rd ed. , processed and additional - Moscow: GEOTAR-Media, 2023
6. Therapeutic dentistry. Dental diseases. In 3 parts. Part 1.: textbook / edited by E. A. Volkov, O. O. Yanushevich - Moscow: GEOTAR-Media, 2015.
7. Fundamentals of Anatomy, Occlusion, and Articulation in Dentistry / Abakarov S. I. - Moscow: GEOTAR-Media, 2019

B)Further reading

1. Microbiology, virology, immunology of the oral cavity: textbook / ed. V. N. Tsareva. - 2nd ed. , processed and additional - Language: GEOTAR-Media, 2021
2. Surgical dentistry. Inflammatory and degenerative diseases of the salivary glands: a textbook / edited by A. M. Panin. - 2nd ed., revised and enlarged. - Moscow: Litterra, 2020
3. X-ray anatomy and X-ray diagnostics in dentistry: a textbook / V. P. Truten. - 2nd ed., revised and enlarged. - Moscow: GEOTAR-Media, 2020
4. Pediatric Dentistry: a textbook / edited by Mamedov Ad. A., Geppe N. A. - Moscow: GEOTAR-Media, 2020
5. Histology and embryology of the oral cavity organs and teeth: a tutorial / Gemonov V.V., Lavrova E.N., Falin L.I. - Moscow: GEOTAR-Media, 2019
6. Surgical Dentistry: textbook / V. V. Afanasyev [et al.]; edited by V. V. Afanasyev. - 3rd ed., revised. - Moscow: GEOTAR-Media, 2021

List of resources of the information and telecommunications network "Internet" necessary for mastering the discipline

Provide links to websites that are publicly accessible.

List of resources of the information and telecommunications network "Internet" required for mastering the discipline (modules)

- www.dentalcare.com, www.ohi-s.com
- www.kyrlibnet.kg.
- www.iprbookshop.ru.
- www.consilium-medicum.com.
- www.medportal.ru.
- www.studmedlib.ru
- Cochrane.org, sciencedirect.com.
- www.mediliter.ru, www.meduniver.com,
- kingmed.info, vk.com, itweek.ru, medlit.biz,
- allmedbook.ru, booksmed.com, medicalenglish.ru,
- library.bsu.edu.ru, rutracker.org.

- **Monitoring and evaluation of learning outcomes**
- Each module is assessed on a 100-point scale. The maximum score is 100.
- A student is allowed to take the final test if he or she has scored a certain number of points in all subjects.
- Discipline 60 or more points.

Evaluation criteria	Module 1	Module 2
Classroom activities (participation in discussions, oral questions, group work, etc.)	40 points	40 points
Independent work: essay, report.	20 points	20 points
Total for the module (testing, situational task)	40 points	40 points
Final score for the course (test):	100 points	100 points

Evaluation system

- The maximum number of points for each module is 100, including:
Independent Student Work (ISW) – 20 points.
- Current score: 40 points
- Midterm assessment (module) – 40 points
- The results of all modules for the semester are summed up and the average score is calculated.
- Students must make up missed classes and unsatisfactory grades in accordance with the faculty duty schedule established by the department.
- Retaking a module is only permitted for a valid reason and must be completed no later than two weeks after the module's due date.
- Admission to the final assessment
- A student is admitted to the final assessment (differentiated credit or exam) if he or she scores 60 points or more in a given subject.
- Credit system
- The credit system uses a multi-point grading scale with letter designations, which allows teachers to assess students' knowledge more flexibly.
- The final assessment in the form of a credit is based on attendance, the current assessment and the midterm (module) assessment.
- Final assessment format: Credit/Exam.
-

Rating and Scoring Scale				
Maximum points	unsatisfactory	satisfactorily	good	great
	20	0-11	12-15	16-17

40	0-23	24-30	31-35	36-40
60	0-35	36-45	46-53	54-60
100	0-59	60-75	76-89	90-100



Educational institution
Roel Metropolitan University

Quality Management System
Syllabus for the discipline "Dentistry"
Specialty 560001 "General Medicine" of the Educational Institution "RMU"

Check (%)	Letter	Average score	Numerical	Traditional
96–100	A+	4.00	5	Great
93–95.99	A	3.75		
90–92.99	A-	3.67		
87–89.99	B+	3.33	4	Good
83–86.99	B	3.00		
80–82.99	B-	2.67		
77–79.99	C+	2.33	3	Satisfactorily
73–76.99	WITH	2.00		
70–72.99	WITH-	1.67		
67–69.99	D+	1.33	2	Satisfactorily
63–66.99	D	1.00		
60–62.99	D-	0.67		
0–59.99	F	0.00	1	Failure

I– assigned to a student who has failed to complete all course requirements for a valid reason. The student has the right to complete all course requirements within the time limit established by the educational institution, after which the grade will be adjusted.

W– awarded to a student who decides to withdraw from a course no later than the sixth week of the semester. Applies only to elective courses.

AU– is awarded to a student who has attended at least 80% (eighty percent) of the classes in the additional course as a listener (without receiving a grade).

The average grade point average for each subject is calculated automatically in the information system.

Based on academic performance, a grade point average (GPA) is calculated, with a maximum value of 4.0. A student's GPA is determined at the end of each semester and is totaled at the end of the entire course of study.

Evaluation criteria:

Practical lesson assessment criteria:

- *excellent rating*

This grade is awarded to a student if he/she has knowledge of the discipline in the full scope of the program and understands it deeply enough; independently, in a logical sequence and exhaustively answers all questions, highlighting the most significant; is able to analyze, compare, classify, generalize, concretize and systematize the studied material, highlighting the main points in it;

- *Rating: "Good"*

:The student has a virtually complete knowledge of the subject according to the program (gaps in knowledge exist only in some sections); independently and partially with leading questions, provides complete answers to questions in the assignment; does not always highlight the most important things, but at the same time does not make serious errors in the answers;

- *satisfactory grade*

This test is administered in cases where the student has basic knowledge of the subject; has difficulty answering independently, uses inaccurate wording; makes mistakes in answering questions;

- *grade "unsatisfactory"*

This pass is issued in cases where the student has not mastered the required minimum level of knowledge on the subject and cannot answer the questions on the pass even taking into account additional leading questions from the teacher.

Criteria for assessing practical skills:

- *Excellent rating*

The award is granted when all stages of the obstetric and gynecological examination are thoroughly and systematically performed. Clear and professional communication with the patient is essential during the examination. The student must have a thorough understanding of the obstetric and gynecological aspects being studied, including the analysis and interpretation of specific symptoms.

- *Rating: "Good"*

This skill is considered proven upon competent performance of the basic stages of an obstetric and gynecological examination and effective interaction with the patient, ensuring understanding and trust. It also requires the ability to identify key symptoms and conduct appropriate analysis.

- *Rating "satisfactory"*

Provided for the main stages of an obstetric and gynecological examination, but with some limitations, misunderstandings, and communication errors. Basic knowledge of symptoms and their interpretation is provided.

- *Rating "unsatisfactory"*

Punishment is imposed if a student makes serious errors or omissions during an obstetric-gynecological examination, as well as if there are communication problems that may cause difficulties or even dissatisfaction for the patient during the examination.

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Criteria for evaluating abstracts:

- *excellent rating*

A student is given a grade if the essay topic is fully covered, excellent mastery of the material is demonstrated, relevant sources are used in the required quantity, the structure of the work corresponds to the assigned tasks, and the degree of independence in the work is high;

- *- rating "good"*

A student is given a grade if the essay topic is generally covered, good assimilation of the material is demonstrated, relevant sources are used, the structure of the work generally corresponds to the assigned tasks, and the degree of independence is average;

- *satisfactory grade*

This grade is given to a student if the essay topic is poorly covered, satisfactory assimilation of the material is demonstrated, the sources used and the structure of the work partially correspond to the set tasks, and the degree of independence of the work is low;

- *grade "unsatisfactory"*

This grade is given to a student if the essay topic is not covered, a low level of assimilation of the material is demonstrated, the sources used are insufficient, the structure of the work does not correspond to the set objectives, the work is not independent.

Project evaluation criteria:

- *Excellent rating*

The award is given to students whose projects demonstrate outstanding depth of research into issues and aspects of obstetrics and gynecology and present innovative research approaches. Effective outreach highlights the project's creativity and originality, as well as active community engagement. The project's organization and structure should be well-organized, logically structured, and ideas should be presented clearly and professionally.

- *rating "good"*

The award is given to students who demonstrate in-depth research on obstetrics and gynecology issues and aspects, supported by concrete facts and data. The learning impact is significant, but there is room for improvement. The presence of creative elements lends the project originality, but some aspects may require refinement. Community engagement is positive, but could be more intense. The project's organization and structure are generally good, but some areas may require improvement.

- *rating "satisfactory"*

The project is presented to students if it meets the minimum requirements for studying obstetrics and gynecology topics and aspects, but requires refinement. The learning effectiveness is basic, and the project could be improved in this area. The project contains creative elements, but these could be expanded and deepened. Community engagement could be more active. The project's organization and structure require additional attention to improve clarity and coherence.

- *grade "unsatisfactory"*

The project offered to students does not meet basic standards and does not provide sufficient depth of study of obstetrics and gynecology issues. The learning effectiveness is extremely limited, lacking creativity and originality. Community participation is insufficient or nonexistent. The project's

organization and structure raise serious concerns, making it difficult to understand and disorganized.

Test evaluation criteria, MSQ:

- *excellent rating*
The test's successful completion award is given to a student who provides correct, insightful, and understandable answers, demonstrating a high level of knowledge and its practical application. Important factors include the student's ability to solve complex problems, demonstrate creativity, and meet test requirements. Criteria may vary, but the general requirement is an excellent understanding and successful application of the course material (with a score of 90 or more correct answers).
- *"good" rating*
A test grade is awarded to a student if they demonstrate a good knowledge of the subject, provide correct answers, clearly and concisely express their thoughts, and successfully complete the main aspects of the test questions. This grade may also reflect the student's ability to apply acquired knowledge in various situations and effectively utilize acquired skills within the test questions (number of correct answers from 76 to 89).
- *"satisfactory"*
A test grade is awarded to a student who has demonstrated a basic understanding of the subject, provided answers that meet the minimum requirements, and successfully completed the main elements of the test. This grade may indicate that the student has mastered the basics of the material, but may not have achieved a high level of depth of knowledge or was unable to cope with more complex aspects of the tasks (with 60-75 correct answers).
- *grade "unsatisfactory"*
A "fail" grade is given to a student if their knowledge of the subject is insufficient, their answers contain significant errors, or do not meet the minimum requirements, or if the student fails to address key aspects of the test. This grade indicates an unsatisfactory level of mastery of the material and an inability to apply knowledge to the test questions (provided the student answered up to 59 questions correctly).

The scale of correspondence between grades and scores on the final test.	
Points	Grade
90-100	"Great"
76-89	"Good"
60-75	"Satisfactorily"
0-59	"Unsatisfactory"

Academic Discipline Policy:

- compulsory attendance of classes;
- active participation of the student in practical classes;
- preliminary preparation and completion of homework;

- High quality and timely completion of SIW tasks;
- participation in all types of control (current, control, final);
- Being late for classes and/or leaving before the end of classes for any reason will count as one missed class and cannot be made up;
- The following is unacceptable: using mobile phones during classes, cheating and plagiarism, late submission of assignments, failure to comply with subordination and rules of conduct.

Help:

- For consultations on completing independent work (SA/SAU), its presentation and defense, as well as for obtaining additional information on the material being studied and on all other issues arising in connection with the course being taught, please contact the teacher during the hours allocated for SAU.