

Odessa National Medical University
Faculty of Dentistry
Department of Therapeutic Dentistry

Curriculum course
" Dental practical training "

Amount	90 годин/ 3,0 кредиту
Semester, year of study	VII-VIII семестри, 4-й рік навчання 2,0 кредитів IX-X семестри, 5 рік навчання 1,0 кредит
Days, time, place	Department of Therapeutic Dentistry, according to the schedule
Teacher (s)	Head departments, prof. Skiba V.Ya., associate professors: Ivchenko N.A, Sedletska A.O, Aksinorska O.I, Goncharuk L.V, Zherebko O.M, Koval S.M, Davidenko O.M, Bass O.A, Goncharenko O.V, Gerasimova I.V, assistants: Strochenko E.A, Chumachenko V.A, Dizik S.V, Tsymbalyuk O.G, Bila N.F, Zolotukhina O.L, Dyadyuro O.V
Contact phone	Head of the department, prof. Skiba Vasil Yakovlevich, mobile: 050-552-32-50
E-mail	terstomonmedu@gmail.com
Workplace	Department of Therapeutic Dentistry, str.Torgova 15
Consultations	<i>Every Wednesday:</i> from 14.30 to 16.00 and <i>on Saturdays:</i> from 8.30 to 13.00, within the academic semester. During the winter holidays: daily from 8.30 to 13.00.

COMMUNICATION

Communication with students is carried out according to the schedule in the classrooms and the auditoriums. In the case of distance learning, communications can take place online on the Microsoft Teams platform according to the class schedule.

COURSE ANNOTATION

The subject of the course is modern data on the etiology, pathogenesis, clinical manifestations of diseases of the teeth, periodontium and oral mucosa, methods of treatment, national and individual preventive measures.

Course prerequisites: The course is based on students' prior knowledge of human anatomy, histology, embryology and cytology, medical physics, medical chemistry, Latin, philosophy, foreign language, physiology, pharmacology, clinical immunology, surgical dentistry, dentistry, dentistry childhood, orthodontics.

Postrequisites of the course: The knowledge gained by students will contribute to the quality of practical skills, use of modern equipment and tools, professional language, allow to participate in scientific and practical conferences, internships, including abroad.

The purpose of the course " Dental practical training " is the formation of students' theoretical knowledge, practical skills and abilities in the diagnosis, treatment, prevention of major dental diseases in the clinic of therapeutic dentistry.

Objectives of the discipline: To form students' modern professional knowledge and skills in the treatment of diseases of the hard tissues of the teeth, complications of dental caries, diseases of the periodontal tissues and oral mucosa.

Expected results: As a result of studying the course " Dental practical training " the student should know:

- Organization of the dental office. Functions and responsibilities of medical staff.

- Questions of ethics and deontology. Ergonomics and safety issues.

- Dental instruments for examination and treatment, their purpose.

- Classification of major dental diseases.

- Clinical methods of diagnosis of major dental diseases.

- Additional methods for diagnosing major dental diseases.

- Etiology and pathogenesis of major dental diseases.

- Innervation and blood supply to the jaws and individual groups of teeth.

- Methods of treatment of major dental diseases.

- Methods of prevention of major dental diseases.

- Working hours, qualitative and quantitative indicators of the dentist.

- Rules for filling out medical records.

The student **must be able to:**

- Analyze the results of clinical examinations of patients with major dental diseases.

- Analyze the results of additional examinations of patients with major dental diseases.

- Identify the leading syndromes and symptoms in the therapeutic clinic dentistry.

- Treat dental caries.

- To treat complications of dental caries.

- To treat non-carious lesions of the hard tissues of the teeth.

- To treat periodontal diseases.

- To treat diseases of the oral mucosa.

- Carry out differential diagnosis of diseases in the clinic of therapeutic dentistry.

- Formulate a preliminary clinical diagnosis in the clinic of therapeutic dentistry.

- To substantiate the final diagnosis in the clinic of therapeutic dentistry.
- Detect somatic diseases that require special tactics of patient management at therapeutic reception.
- Prescribe physiotherapy treatments for major dental diseases.
- Diagnose emergencies and provide emergency care in the clinic of therapeutic dentistry.
- Carry out primary and secondary prevention of major dental diseases.
- Demonstrate the skills of filling out a package of medical documentation at a therapeutic appointment.
- Demonstrate mastery of moral and deontological principles of a medical specialist and the principles of professional subordination at the therapeutic reception.

COURSE DESCRIPTION

Forms and methods of teaching

The course provides for practical classes - 90 hours (16 hours of classroom work), organization of extracurricular activities of students (74 hours).

Teaching takes place in the form of a Power Point demonstration and explanation, conversation, analysis of new information. During practical classes the theoretical interrogation, the decision of test tasks, situational tasks, working off of practical skills is carried out. It is planned to hold consultations according to the schedule.

Course content:

The training course "Dental practical training" is taught in 4th and 5th courses.

The list of topics for classroom work of 4th year students:

Topic 1. Practice skills of diagnosis, differential diagnosis, treatment and prevention of non-carious lesions, dental caries and its complications (pulpitis, periodontitis).

Topic 2. Practice skills of diagnosis, differential diagnosis, treatment and prevention of periodontal disease.

The list of topics for extracurricular work of 4th year students:

Topic 3. Interpretation of these clinical and additional methods of examination of patients with non-carious lesions and dental caries. Formulation of preliminary and substantiation of the final diagnosis.

Topic 4. Practice of skills of preparation of carious cavities depending on localization and choice of filling material.

Topic 5. Development of skills in the use of modern filling materials for the treatment of diseases of the hard tissues of the teeth and endodontics.

Topic 6. Interpretation of these clinical and additional methods of examination of patients with periodontal disease. Formulation of preliminary and substantiation of the final diagnosis.

Topic 7. Practice skills of treatment and prevention of patients with gingivitis, periodontitis, periodontitis.

The list of topics for classroom work of 5th year students:

Topic 1. Interpretation of these clinical and additional methods of examination of patients with diseases of the oral mucosa. Formulation of preliminary and substantiation of the final diagnosis.

Topic 2. Development of skills of diagnosis, differential diagnosis, treatment and prevention of diseases of the oral mucosa.

The list of topics for extracurricular work of 5th year students:

Topic 3. Tactics of a dentist in the treatment of patients with manifestations of viral diseases on the oral mucosa.

Topic 4. Tactics of a dentist in the treatment of patients with dermatoses with an autoimmune component.

Topic 5. Tactics of a dentist in the treatment of patients with manifestations of diseases of the blood and blood-forming organs on the oral mucosa.

Topic 6. Tactics of a dentist in the treatment of patients with manifestations of diseases of the gastrointestinal tract and endocrine system on the mucous membrane of the oral cavity.

Topic 7. Tactics of a dentist in the treatment of patients with manifestations of diseases of the nervous system on the mucous membrane of the oral cavity.

Topic 8. Tactics of a dentist in the treatment of patients with precancerous diseases of the oral mucosa.

Additional

1. Bergholttz G., Horsted-Bingslev P., Reit C. Textbook of Endodontology, ed.2, Chichester: Blackwell Publishing, 2010.
2. Carrotte P. Endodontics. Part 6. Rubber dam and access cavities / P. Carrotte // *BDJ*. - 2004. - № 197. - P. 527–534.
3. Carrotte P. Helpful hints with rubber dam / P. Carrotte // *CPD Dentistry*. - 2001. - Vol. 2(3). - P. 82–85.
4. Cohen S., Burns R.C. (eds). *Pathway of the pulp*, ed.10, St. Louis: CV Mosby, 2010.
5. Devlin H. *Operative Dentistry. A Practical Guide to Recent Innovations – 2006*. – 129 p.
6. Haapasalo M. *Visual Endodontics & Traumatology* / M. Haapasalo, S. Fridman // CD.- 2002.
7. Hervás-García A., Martínez-Lozano M.A., Cabanes-Vila J., Barjau-Escribano A., Fos-Galve P. Composite resins. A review of the materials and clinical indications. *Med Oral Patol Oral Cir Bucal* 2006; 11: E215-20.
8. Hyson J.M. Amalgam: Its history and perils. *Jr J Calif Dent Assoc*. 2006 Mar; 34(3):215-29.
9. Marshall K. Dental workspace contamination and the role of rubber dam / K. Marshall // *CPD Dentistry*. - 2001. - Vol. 2. - P. 48–50.
10. Minimal intervention dentistry: a review. FDI Commission Project 1-97 / M. J. Tyas, K. J. Anusavice, J. E. Frencken [et. al.] // *International Journal of Dentistry*. – 2000. – Vol. 50, № 1. – P. 1-12.
11. *Operative Dentistry. Endodontics: in 2 vol.: textbook*. Vol 1/ M.Yu. Antonenko, L.F.Sidelnicova, O.F.Nesyn et al.; ed. by Borysenko. – Kyiv: AUS Medicine Publishing, 2016. – 384 p.
12. Rainey J.T. Air abrasion: an emerging standard of care in conservative operative dentistry / J. T. Rainey // *Dental Clinics of North America*. – 2002. – Vol. 46, № 2. – P. 185-209.

13. Sturdevant's art and science of operative dentistry/ Theodore M. Roberson, Harald O. Heymann, Edward J. Swift, Jr. – ed.4, New York: McGraw-Hill, 2002. – 947 p.

EVALUATION

The Department of Therapeutic Dentistry uses various forms of control of classes in a particular discipline (oral, written, combined, testing, practical skills). The results of students' academic performance are presented in the form of assessment on a national scale, 200-point and ECTS scale and have standardized generalized criteria for assessing knowledge: national scale:

the grade "excellent" is given to the student who systematically worked during a semester, showed various and deep knowledge of a program material, is able to successfully carry out the tasks provided by the program, has mastered the maintenance of the basic and additional literature, has understood interrelation of separate sections of discipline, their value for the future. profession, showed creative abilities in understanding and using educational material, showed the ability to independently update and replenish knowledge; level of competence - high (creative);

grade "good" is given to a student who has shown full knowledge of the curriculum, successfully completes the tasks provided by the program, mastered the basic literature recommended by the program, showed a sufficient level of knowledge of the discipline and is able to independently update and renew during further study and professional activities; level of competence - sufficient (constructive-variable);

the grade "satisfactory" is given to the student who has shown knowledge of the basic educational program material in the volume necessary for the further training and the subsequent work on a profession, copes with performance of the tasks provided by the program, has made separate mistakes in answers at performance of tasks. overcoming mistakes under the guidance of a research and teaching staff; level of competence - average (reproductive);

the grade "unsatisfactory" is given to the student who did not show sufficient knowledge of the basic educational program material, made fundamental mistakes in performance of the tasks provided by the program, cannot use the knowledge at the further training without the teacher's help, failed to master skills of independent work; level of competence - low (receptive-productive).

The multi-point scale characterizes the actual success of each student in mastering the discipline. Conversion of the traditional grade from the discipline to 200-point is performed by the information and computer center of the university program "Contingent" by the formula: average grade point average (current / from the discipline) x 40 national grade point average "5" 185-200 "4" 151-184 "3" 120-150 The ECTS rating scale evaluates the achievements of students in the discipline who study in one course of one specialty, according to their scores, by ranking, namely: ECTS score Statistical indicator "A" best 10% of students "B" next 25%

of students "C »Next 30% of students« D »next 25% of students« E »last 10% of students.

The ECTS scale establishes the student's belonging to the group of the best or worst among the reference group of classmates (faculty, specialty), is his rating. When converting from a multi-point scale, as a rule, the limits of grades "A", "B", "C", "D", "E" do not coincide with the limits of grades "5", "4", "3" on the traditional scale. Grade "A" on the ECTS scale cannot be equal to grade "excellent", and grade "B" - grade "good" and so on. Students who receive grades "Fx" and "F" ("2") are not included in the list of ranked students.

Such students automatically receive a score of "E" after re-assembly. The grade "Fx" is given to students who have scored the minimum number of points for the current educational activity, but who have not been credited with the final control. Grade "F" is given to students who have attended all classes in the discipline, but did not score an average score (3.00) for current academic activities and are not admitted to the final control.

Current success. Evaluation of the success of studying the topics of the discipline is performed on a traditional 4-point scale. At the practical lesson, students will be interviewed at least once in 2-3 practical classes (no more than 75% of students). At the end of the course, the current performance is calculated - the average current score (the arithmetic mean of all current grades on a traditional scale, rounded to two decimal places). The teacher provides information to students on the results of their current academic performance and academic debt (if any), as well as when completing the curriculum in the discipline fills in the student's record book.

Semester test. Assessment of students' performance in the discipline, the study of which is provided for two or more semesters, is based on the results of their current performance. Semester credit is given to students who have attended all types of classes in the discipline in the current semester (there are no absences of lectures and practical classes). The average score is not calculated during the semester test. For such students, the teacher is obliged to put "enrolled" in the student's record book in the last lesson of the discipline in the semester.

Final credit. Students who have fully completed the curriculum in the discipline do not have academic debt, their average score of current performance is 3.00 or more, in the last class receive a credit, which is set as "passed" / "not credited". Conversion of a traditional national score to a multi-point score (maximum 200 points) is required. If a student receives a minimum grade point average of 3.00 for current performance, even if there are unsatisfactory grades, he receives a credit for the discipline. At the end of the discipline, which ends with the exam, only those students who have completed all types of work provided for in the curriculum (do not have passes) are admitted to the final certification, their average score for the current academic activity is 3.00 and more.

Independent work of students. Students' independent work is regulated by the curriculum and is performed by students independently according to calendar-thematic plans. Quality control of students' independent work is carried out in practical classes and during a differentiated test.

COURSE POLICY

The student must master the theoretical knowledge of the course, attend all types and forms of classes provided by the curriculum, perform all types of educational tasks, master practical skills, make all kinds of control of the level of knowledge, fill in the " Dental practical training " and the final report.

Deadline policy:

Missed practical classes are completed by students according to the schedule of missed classes for the next teacher (every Wednesday and Saturday within the academic semester).

Academic Integrity Policy:

It is unacceptable in educational activities to use prohibited aids or technical means (cheat sheets, headphones, telephones, smartphones, etc.) when compiling a differentiated test; passing of procedures of control of results of training by fictitious persons.

Attendance and lateness policy:

Students are required to attend all classes. Missed practical classes and lectures the student must work off for 2 weeks.

Mobile devices:

It is allowed to use a smartphone or other device with the permission of the teacher.

Behavior in the audience: Communication is friendly, creative, open to constructive criticism. There is an active business atmosphere in the audience.