

Odessa National Medical University
Faculty of Dentistry
Department of Therapeutic Dentistry

Syllabus course
"Fundamentals of Gerontology and Geriatrics"
(optional component)

Amount	60 hours / 2.0 credits
Semester, year of study	III semester, 2nd year of study
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 the etiology, pathogenesis, diagnosis, differential diagnosis, clinic, tactics of the dentist with age-related changes in all body systems and features of the disease in the elderly.

Course prerequisites: The study of the program is based on previously acquired knowledge of students in biological chemistry, biological physics, medical chemistry, molecular biology and genetics, microbiology, physiology, clinical pharmacology, psychology and psychiatry, food hygiene, social medicine, general hygiene.

Postrequisites of the course: The knowledge gained by students will help to master the issues of etiology, pathogenesis, diagnosis, differential diagnosis, clinic, tactics of the dentist with age-related changes in all body systems and features of the disease in the elderly. The use of modern equipment, professional language, issues of medical ethics and deontology allow to take part in scientific and practical conferences, internships, including abroad.

The purpose of studying the selective component "Fundamentals of Gerontology and Geriatrics" is to form students' theoretical knowledge, practical skills and abilities on the features of morphological changes and functioning of the human body with aging, the development of pathological processes of various organs and systems, changes in the elderly.

Tasks of the selective component: To form students' professional knowledge and skills on the features of morphological changes and the functioning of the human body with aging

Expected results: As a result of studying the selective component "Fundamentals of Gerontology and Geriatrics" the student should know:

- Biosocial essence of aging and old age;
- The issue of population aging as a demographic process in all its consequences;
- Social, psychological, medical problems of the elderly;
- Features of adaptation to the retirement period of life;
- Features and opportunities of human labor in old age;

The student **must be able to:**

- Evaluate diagnosis information using standard
- procedure, based on laboratory and instrumental results
- research in the elderly.
- Identify the leading clinical symptom or syndrome of dental diseases in the elderly.
- To establish the most probable or syndromic diagnosis
- disease.
- To determine the tactics of management of elderly patients.
- Appoint consultations of relevant specialists.
- To treat major dental diseases in the elderly
- Demonstrate mastery of moral and deontological principles
- medical specialist and the principles of professional subordination on
- therapeutic reception of elderly patients.

COURSE DESCRIPTION

Forms and methods of teaching

The course includes seminars (10 hours), lectures (10 hours), organization of independent work of students (40 hours).

Teaching takes place in the form of lectures, Power Point demonstrations and explanations, conversations, analysis of new information. During the seminars a theoretical survey, solving situational problems, compiling algorithms for diagnostic and therapeutic search. It is planned to hold consultations according to the schedule.

Course content:

Section 1. "Fundamentals of Gerontology and Geriatrics":

Topic 1. Basic concepts of gerontology and geriatrics.

Topic 2. mechanisms of biological and pathological aging.

Topic 3. Means of prolonging life expectancy, prevention of premature aging.

Topic 4. Basic theories of aging.

Topic 5. Issues of medical ethics and deontology in gerontology and geriatrics.

Additional

1. Bergenholtz 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), ie 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.

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 omissions of lectures and seminars). The average score is not calculated during the semester test. For such students, the teacher puts "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.

Independent work of students. Independent work of students is regulated by the curriculum and is performed by students independently according to calendar-thematic plans, is carried out in the form of classroom and extracurricular work. Quality control of students' independent work is carried out at seminars and during the test.

COURSE POLICY

The student must master the theoretical knowledge of the discipline, attend all types and forms of classes provided for in the curriculum, perform all types of educational tasks, master the basic issues of gerontology and geriatrics.

Deadline and recompilation policy:

In case of non-appearance during the test of the selective component, students are allowed to re-arrange according to the re-schedule. Missed lectures are completed by students writing an essay and an interview with a lecturer on the topic of the lecture. Missed seminars 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:

The use of prohibited auxiliary materials or technical means (cheat sheets, headphones, telephones, smartphones, etc.) during control measures is unacceptable in educational activities; passing of procedures of control of results of training by fictitious persons.

Attendance and lateness policy:

Students are required to attend all classes. Missed seminars and lectures must be completed by the student within 2 weeks.

Mobile devices:

It is allowed to use a smartphone, tablet 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.