

**Odessa National Medical University**  
**Faculty of Medicine**  
**Department of Family Medicine**

**Course Syllabus**  
**Family medicine**

<b>Amount</b>	4.5 credits, 135 hours
<b>Semester, year of study</b>	XI-XII semesters, 6th year
<b>Days, time, place</b>	10 days, from 8:30 to 13:20
<b>Teacher(s)</b>	Chernetska Hanna Veniaminivna, Candidate of Medical Sciences, Associate Professor Shapovalova Hanna Anatoliivna, Candidate of Medical Sciences, Associate Professor Shyshkina Nataliia Volodymyrivna, Candidate of Medical Sciences, Assistant Lahoda Daria Oleksandrivna, assistant Nazarian Veronika Mambreivna, assistant Amirova Hanna Yuriivna, assistant
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### **COMMUNICATION**

Communication is possible during face-to-face consultations, or remotely (online) using Email. You must indicate your last name, first name, course, faculty, and the name of the course. The solution of "working issues" is possible by the specified phone number.

### **COURSE ANNOTATION**

**The subject of study of the discipline** is a set of scientific and practical activities for the organization of family medical practice.

**Prerequisites:** medical and biological physics, morphological disciplines, microbiology, virology and immunology, physiology, pathophysiology, internal medicine, surgery, neurology, dermatology, epidemiology, ophthalmology, otolaryngology, endocrinology, clinical pharmacology, resuscitation.

**The course aims to teach students about:**

- Ensuring the organization and participation in health care activities for families.

- Sanitary and hygienic training and the formation of a healthy lifestyle in families.
- Provision of preventive, medical-diagnostic, and rehabilitation assistance (by the established guaranteed minimum).
- Organization of consultative, specialized, and highly specialized medical care.
- Provision of emergency care and control over the provision of emergency medical care.
- Clinical examination of families (of all ages, with different physical and mental health) with the involvement of the necessary specialists.
- Organization of patronage for children and pregnant women, care for the elderly, seriously ill, and certain contingents of the population (disabled, war veterans, repressed).
- Examinations of working capacity.
- Providing palliative care to incurable patients.
- Introduction of new forms and methods of organization of health care, modern diagnostic technologies: treatment, prevention, and rehabilitation.

The main duty of a family doctor is to provide primary health care to the population following the requirements of the qualification characteristics and the received certificate.

**The objectives of the course are:**

The student must be able to conduct specialized activities:

- carrying out sanitary and educational work on the education of the population, promotion of a healthy way of life, to prevent the development of diseases;
- implementation of preventive work aimed at identifying early and latent forms of the disease and risk factors;
- implementation of dynamic monitoring of the health of members of each family of the assigned region with the necessary examination and rehabilitation of an individual set of medical and health measures;
- provision of health measures for emergency medical care to patients and victims of emergencies;
- timely consultation and hospitalization of planned and urgent patients in the prescribed manner;
- carrying out medical and rehabilitation measures in the amount that meets the requirements of the qualification characteristics;
- examination of temporary disability of patients by the instructions "On the procedure for issuing sick leaves" and the implementation of timely diagnosis, early detection, and treatment of infectious diseases, providing emergency notification to the sanitary-epidemiological station;
- carrying out preventive vaccinations and monitoring of contact persons in case of infectious disease;

## **COURSE DESCRIPTION**

### ***Forms and methods of teaching***

The course will be presented in the form of practical (60 hours), organization of independent work of students (75 hours).

Types of training sessions on the specialization "General practice - family medicine" are practical classes, independent work, training with the use of distance learning, individual work of students of educational qualification level "Doctor of Philosophy".

### **The content of the discipline**

1. The place of family medicine in the general structure of health care and the principles of family care. Organization of family doctor's work.
2. Medical and social aspects of public health. Examination of temporary and permanent disability. The role of the family doctor in the promotion of a healthy lifestyle, prevention, and medical examination.
3. The structure of health insurance, the activities of a family doctor in terms of insurance medicine.
4. Fundamentals of information support for the work of a family doctor. Distance learning methods.
5. Evidence-based medicine. Substantive provisions. The concept of randomized clinical trials.
6. Psychological aspects of family doctor activity.
7. Methodical approaches to the analysis of family activity doctor.
8. Organization of outpatient care in the practice of a family doctor for the most common therapeutic diseases. Detection of respiratory tuberculosis (active and passive). Risk groups. Mandatory and additional examinations. Indications for referral to a TB doctor.
9. General principles of tuberculosis treatment. Organization of treatment in PHC facilities. Prevention and treatment of adverse reactions to anti-TB drugs.
10. Etiology of HIV infection. Principles of laboratory diagnosis of HIV infection. Screening and verification studies. Counseling in the context of HIV infection. Voluntary testing with pre-and post-test counseling (VCT).
11. Organization of medical care for HIV-infected people. Care and psychological support for HIV-infected people. Symptomatic treatment and management of patients. Primary prevention of HIV infection. Organization of HIV prevention programs for different groups of the population.
12. Rules and methods of protection of medical workers from HIV infection in the workplace. Medical post-exposure prophylaxis.
13. Methods of research of cardiovascular system. Differential diagnosis of dysphagia. Differential diagnosis of cardialgia.
14. Monitoring the health and development of children.

15. Intensive care in cardiology. Clinical classification of pain. Emergency care in the practice of a family doctor for pain.
16. Organization of emergency medical care in the practice of a family doctor in case of sudden death at the pre-hospital stage. Organization of emergency medical care in the practice of a family doctor in case of convulsions and loss of consciousness at the pre-hospital stage.
17. Organization of emergency medical care for stings, bites, electric injuries, drownings, and exposure to low and high temperatures in the prehospital stage.
18. Organization of medical care for incurable patients.
19. Methods of palliative treatment of the main symptoms and syndromes in incurable disease.
20. Principles of a multidisciplinary approach in working with incurable patients. Deontological aspects of communication with incurable patients and their relatives.

### **List of recommended reading**

#### *Basic literature*

1. Vlasenko MV, Halytska VV Guide for family physicians in the management of patients with diabetes.- Vinnytsia, 2016.-46 p.
2. Family Medicine: In 3 books. - Book 1. General Issues of Family Medicine: textbook (IV a. 1.) Approved by the Ministry of Education and Science, Recommended by the Ministry of Health / Ed. OHM. Girina, LM Pasiashvili, GS Popik. - K., 2013. - 672 c.
3. Family medicine: in 3 books. - Book 2. Symptoms and syndromes in clinical course of internal diseases: textbook (IV a. 1.) Approved by the Ministry of Education and Science, Recommended by the Ministry of Health / Ed. OHM. Girina, L Pasiashvili. - K., 2016. - 456 p.
4. Family medicine: in 3 books. - Book 3. Special Part. Multidisciplinary General Medical Practice: textbook(IV a. 1.) Approved by the Ministry of Education and Science / Ed. OHM. Girina, LM Pasiashvili. - K., 2017. - 680 c.
5. Voronenko YV, Shekera OG, Himion LV etc. Current issues of internal medicine in the practice of family medicine. - Zaslavsky Publishing House. -K., 2018. - 600 p.
6. Voronenko YV, Shekera OG, Rykov SO, Medvedovskaya NV, Shargorodskaya. Current issues of ophthalmology in the practice of family medicine. - Zaslavsky Publishing House. - K., 2018. - 258 p.
7. Voronenko YV, Shekera OG, Mishiev VD etc. Current issues of psychiatry in the practice of family medicine. - Zaslavsky Publishing House. - K., 2018. - 144 p.

8. Voronenko Yu.V., Shekera OG, Dolzhenko MM etc. Current issues of cardiovascular disease in the practice of family medicine. - Zaslavsky Publishing House. - K., 2017. - 414 c.
9. Voronenko YV, Shekera OG, Roschin GG etc. Topical issues of disaster medicine in the practice of family medicine. - Zaslavsky Publishing House. - K., 2017. - 288 c.
10. Voronenko YV, Shekera OG, Gubsky YI etc. Topical issues of palliative and hospice care in the practice of family medicine. - Zaslavsky Publishing House. - K., 2017. - 208 c.
11. Voronenko Yu.V., Shekera OG, Mechev DS etc. Topical issues of radiation medicine in the practice of family medicine. - Zaslavsky Publishing House. - K., 2017. - 208 c.
12. Voronenko YV, Shekera OG, Vdovychenko YP Topical issues of obstetrics in the practice of family physicians. - Zaslavsky Publishing House. K, 2016. - 348 p.
13. Voronenko YV, Shekera OG, Feshchenko YI etc. Topical issues of tuberculosis in the practice of family medicine. - Zaslavsky Publishing House. - K., 2016. - 168 p.
14. Voronenko Yu.V., Shekera OG, Kuznetsova LV etc. Topical issues of allergology in the practice of family medicine. - Zaslavsky Publishing House. - K., 2016. - 324 p.
15. Voronenko YV, Shekera OG, Zozulya IS etc. Current issues of emergency medicine in the practice of family medicine. - Zaslavsky Publishing House. - K., 2016. - 124 p.
16. Voronenko Yu.V., Shekera OG, Stadnyuk LA etc. Current issues of gerontology and geriatrics in the practice of family medicine. - Zaslavsky Publishing House. - K., 2015. - 530 p.
17. Sviridova NK Topical issues of nervous diseases in the practice of a family doctor. - Zaslavsky Publishing House. - K., 2015. - 240 p.
18. Ivanova DD Current issues of nephrology in the practice of family medicine. - Zaslavsky Publishing House. - K., 2015. - 328 p.
19. Voronenko YV, Shekera OG, Berezhny VV etc. Current issues of pediatrics in the practice of family medicine. - Zaslavsky Publishing House., 2015. - 342 p.
20. Ivanov DD, Korzh OM Nephrology in the practice of a family doctor. - Zaslavsky Publishing House. - K., 2014. - 464 c.
21. Internal Medicine: Rheumatology: Textbook for medical students. Recommended by the Ministry of Health / V.Ye. Kondratiuk, M.B. Juice. - K., 2017. - 272 c.
22. Patient care: Practice: A textbook: (IV a. 1.) - 3rd ed. Approved by the Ministry of Education and Science, Recommended by the Ministry of Health / Ed. Kovaleva OM, Forest VM, and others - K., 2015. - 488 p.

23. Emergency medicine: Emergency medical care: A textbook: (IV a. 1.) Approved by the Ministry of Education and Science / I.S. Zozulya, VI Bobrova, G.G. Roschin and others; for the order. I.S. Cuckoos. - 3rd ed., Revised. and ext. - K., 2017. - 960 c.
24. Propaedeutics of internal medicine: A textbook: (III-IV a. 1.) - 5 ed. Admitted by the Ministry of Health / Ed. O.G. Yavorsky. - K., 2018.
25. Current issues of pediatrics in the practice of family physicians: A textbook for doctors-interns and physicians - students of institutions (faculties) of postgraduate education / Voronenko YV, Shekera OG, Berezhny VV, etc.; Edited by Voronenko Yu.V., Shekeri OG, Berezhny VV - Kyiv: Publisher Zaslavsky O.Yu., 2015. - 342 p.

#### *Additional literature*

1. "Internal diseases. A textbook based on the principles of evidence-based medicine 2018/19". Practical medicine, Krakow, Poland. 2018 –1632p.
2. Laboratory reference book "SINEVO" [O.V. Nebyltsova, Zh.A. Klimova, G.A. Nosenko and others] / ed. O.V. Nebyltsova. - K.: OOO Doctor-Media, 2015. - 420 p.

#### **Electronic resources**

1. American College of Cardiology <http://www.acc.org/>
2. American Heart Association <http://news.heart.org/>
3. European Society of Cardiology <http://www.escardio.org/>
4. National Comprehensive Cancer Network <https://www.nccn.org/>
5. The European Society for Medical Oncology <http://www.esmo.org/>
6. Up To Date <http://www.uptodate.com>
7. BMJ Clinical Evidence <http://clinicalevidence.bmj.com>
8. Medscape from WebMD <http://www.medscape.com>
9. National Guideline Clearinghouse <https://www.guideline.gov/>
10. Centers for Disease Control and Prevention (CDC) <https://www.cdc.gov/>
11. The Cochrane Collaboration The Cochrane Library <http://www.cochrane.org/>
12. Clinical Knowledge Summaries (CKS) <http://prodigy.clarity.co.uk/>

#### **EVALUATION**

**Methods of current control:** testing, solving situational problems, control of practical skills, in particular - the ability to properly examine the patient, prescribe and interpret the results of laboratory and instrumental examinations, justify the diagnosis based on the analysis of clinical and auxiliary examination methods.

Daily assessment of current learning activities consists of assessing the writing of tests from the database of STEP 2, patient examination protocols,

theoretical protocols, oral answers, interpretation of electrocardiograms, radiographs, blood tests, solving clinical problems.

The student's current educational activity is assessed on a 4-point (traditional) scale.

At the end of the course, the current performance is calculated as the average score of all grades obtained by the student on a traditional scale, rounded to 2 (two) decimal places.

A grade of "**excellent**" is given if the student knows the content of the lesson in full, giving comprehensive answers and teaching the material without errors and inaccuracies, freely solves problems, and performs practical skills of varying difficulty.

A grade of "**good**" is given if the student knows the content of the lesson almost in full, giving correct but not exhaustive answers to questions. Solves problems and performs practical skills without significant mistakes.

The grade "**satisfactory**" is given if the student does not know the content of the lesson in full. Teaches the material not systematically, but correctly answers the clarifying questions. Solves problems and performs practical skills with mistakes.

The grade "**unsatisfactory**" is given if the student does not know the content of the lesson, solves problems, and performs practical skills with significant errors.

#### **Assessment of individual student tasks**

Grades for individual tasks are charged to the student only if they are completed and defended. The grade is added to the current performance.

**Only those students who do not have academic debts and have an average score for the current academic activity of at least 3.00 are admitted to the final certification.**

The maximum current success rate is 5.0

The minimum number of points for admission to the differential test - 3.0

#### **Forms and methods of final control:**

**Differential credit** is carried out upon completion of the study of all topics in the section. Students who have attended all the classrooms provided by the curriculum in the discipline are admitted to the differential test.

**Differential credit is held on the day determined by the educational part. It is based on the results of an oral answer to the ticket, which has two theoretical questions and two situational tasks. The Professor and associate professors of the department take the test, according to the individual schedule.**

**The maximum score is 5.0.**

**Differential credit** is considered credited if the student received a score of at least 3.0.

#### **The assessment of the discipline consists of two components:**

- **50% - current performance (arithmetic mean of all student grades);**

- **50% score on the differential test.**

The average score for the discipline (traditional assessment) is calculated as the arithmetic mean of the current performance and the assessment obtained during the differential test.

**Independent work of students.**

Independent work of students, which is provided by the topic of the lesson along with classroom work, is assessed during the current control of the topic in the relevant lesson. Assimilation of topics that are submitted only for independent work is checked during the differential test.

## **COURSE POLICY**

### **Deadline and rearrangement policy**

All missed classes must be completed. Lectures are practiced by writing essays on the topic of the lesson. Practical classes are practiced according to the schedule of consultations.

Students do not have the right to rearrange the grade of the last lesson (differentiated test) and the current satisfactory and unsatisfactory grades to increase the arithmetic mean of all current grades.

Students have the right during the semester to retake current unsatisfactory grades only to achieve an average current score of 3.00.

### **Academic Integrity Policy**

Unacceptable write-offs, the student must be fluent in the material.

### **Attendance and lateness policy**

The student should not miss lectures and practical classes, the absence should be informed to the teacher in advance for good reasons, delays are not desirable.

### **Mobile devices**

It is not allowed to use a mobile phone, tablet, or other mobile devices during the lesson (except in cases provided by the curriculum and guidelines of the teacher) without the permission of the teacher.

### **Behavior in the audience**

Creative, business, friendly atmosphere.