KHARKIV NATIONAL MEDICAL UNIVERSITY

Educational and Scientific Institute of Postgraduate Education

Department of General Practice - Family Medicine and Internal Diseases

Area of knowledge 22 "Health"

Specialty 222 "Medicine"

Educational program "Medicine" of the second (magister's) level of higher education

**SYLLABUS OF THE COURSE**

**General practice (family medicine)**

(Personal profile: "Family Medicine")

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| The syllabus was approved at the Department of General Practice - Family Medicine and Internal Medicine meeting \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Minutes dated  August 27, \_\_\_\_\_\_\_\_\_\_\_2020 No. 8  Head of Department  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ prof. L.M.Pasieshvili (signature) (full name)  August 27,\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2020 | Approved by the methodical commission of KhNMU on problems of professional training  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Minutes dated  “\_\_\_\_”\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_2020 No. \_\_\_  Head  \_\_\_\_\_\_\_\_\_\_\_\_ prof. V.D. Markovsky (signature) (full name)  “\_\_\_\_\_”\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_2020 |

NAME OF THE COURSE: General practice (family medicine).

Compilers of the syllabus: Assoc.prof. V.E. Shapkin, prof. A.A. Zazdravnov.

Lecturers: head of dep. prof. L.M. Pasieshvili, prof. A.A. Zazdravnov, prof. O.M. Kovaleva, assoc. prof. V.E. Shapkin, assoc. prof. L.M. Bobro, assoc. prof. K.U. Parkhomenko, assoc. prof. A.K. Zhuravlyova, assoc. prof. N.V. Malik, assoc. prof. A.B. Andrusha, as. O.V. Golozubova, as. O.V. Karaya, as. S.V. Ivanchenko, as. A.S. Marchenko, as. L.V. Ivanova, as. T.I. Viyun.

Information about lecturers: specialists in general practice - family medicine.

Contact E-mail of lecturers: [kaf.nnipo.zagalpraktyky@knmu.edu.ua](mailto:kaf.nnipo.zagalpraktyky@knmu.edu.ua).

Information about consultations: University Clinic, II floor, Department of General Practice - Family Medicine and Internal Diseases.

Location: 61157, Kharkiv, Alexander Speyer str., 4.

**Discipline information**

**1. Discipline description**

Course – VI

Semester / Academic year - 2025/2026

Discipline duration:

ECTS credits – 4.0;

practical classes - 55 h.;

СРС – 65 h.

General characteristics of the discipline

Family medicine is the medical specialty which provides continuing, comprehensive health care for the individual and family. It is a specialty of holistic care that integrates the biological, clinical, and behavioral sciences. The scope of family medicine encompasses all ages, genders, organ systems, and disease entities.

Family physicians provide high quality care in the context of a personal doctor-patient relationship and with an appreciation for the individual, as well as their family and community influences. This clerkship will provide an outstanding learning experience for all medical students emphasizing these basic tenets of family medicine.

The role and place of discipline in the system of training.

General practice (family medicine) as a discipline is based on the study by students of disciplines: internal medicine, infectious diseases, epidemiology, pediatrics, endocrinology, neurology, oncology, surgery, ophthalmology, otolaryngology, dermatology, clinical immunology, pharmacology, pharmacology health care, hygiene and ecology, biostatistics, computer science, ethics and deontology and other morphological disciplines and integrates with them.

Moodle discipline page:

<http://31.128.79.157:8083/course/view.php?id=208>.

**2. Goals and objectives of the discipline**

FAMILY MEDICINE COURSE GOALS:

1. Provide the student with the opportunity and access to a diverse population of patients and a variety of diseases and injuries involving all body systems across the life span and commonly encountered in outpatient primary care medicine.

2. Support ongoing development and mastery of the student's ability and skill in obtaining a patient centered medical history, conducting a physical examination, recommending diagnostic studies and discussing and recommending treatment plans with the guidance of a preceptor.

3. Provide ongoing interactive opportunities for the student to deepen their knowledge regarding various diagnostic studies used in the evaluation of disease and injury and disease prevention.

4. Provide supervised patient care based opportunities, which foster the development of the student's ability to recommend, select and interpret (where applicable) appropriate diagnostic methods in the evaluation of a patient.

5. Provide clinical based opportunities to continue to develop the student's ability to generate differential diagnoses.

FAMILY MEDICINE LEARNING OBJECTIVES:

At the end of this eight-week experience students will be able to:

1. Recognize and accurately assess common medical and behavioral diseases and conditions through the application and integration of core medical knowledge (etiology, risk factors, pathophysiology, prevalence, clinical presentation, diagnostic evaluation and interpretation) and the use of evidence based decision making toward the diagnosis, management and treatment of patients encountered in the primary care setting.

2. Recognize and approach the evaluation and initial management of acute presentations commonly seen in the office setting.

3. Recognize and teach the approach to the management of chronic illnesses that are commonly seen in the office setting.

4. Conduct a wellness visit for a patient of any age or gender.

5. Recognize and/or provide evidence-based health promotion and disease prevention guidance as well as patient education and counseling.

6. Perform concise, articulate and effective oral case presentations.

7. Recognize and engage in effective on-going (continuity) patient care in an empathetic fashion that demonstrates awareness and sensitivity to diverse religious, cultural, ethnic, gender and sexual orientation patient populations over the course of preceptorship.

8. Recognize, apply and demonstrate effective communication skills.

9. Perform common office based procedures.

10. Effectively and professionally navigate the role and responsibilities as a physician assistant (within the confines of the student role) practicing in a family practice setting.

**3. Discipline status** – selective, **discipline format** – mixed, the discipline is accompanied by a Moodle system, teaching the discipline involves a combination of traditional forms of classroom learning with elements of e-learning, which uses special information, interactive technologies, online counseling.

**4. Teaching methods** – practical classes with the use of presentations, video materials, guidelines.

**5. Recommended literature**

Family Medicine: in 3 books: textbook. Book 1. General Issues of Family Medicine / O.M. Hyrina, L.M.Pasiyeshvili, O.M.Barna, A.S.Svintsitskiy et al.; edited by O.M. Hyrina, L.M.Pasiyeshvili. - Kyiv: AUS Medicine Publishing, 2016. – 560 p.

Textbook of Family Medicine. NINTH EDITION. Robert E. Rakel, David P. Rakel. - Elseviеr, Philadelphia, PA, 2016 – 1201 р. (on-line free - <http://familymed.sbmu.ac.ir/uploads/textbook_family_medicine_rakel.pdf>).

WONCA global standards for postgraduate family medicine education. WONCA Europe 2013.

**6. Prerequisites and co-requisites of the discipline**

General practice (family medicine) as a discipline is based on the study by students of disciplines: internal medicine, infectious diseases, epidemiology, pediatrics, endocrinology, neurology, oncology, surgery, ophthalmology, otolaryngology, dermatology, clinical immunology, pharmacology, pharmacology health care, hygiene and ecology, biostatistics, computer science, ethics and deontology and other morphological disciplines and integrates with them.

**7. Learning outcomes**.

The ultimate goals of the study of general practice (family medicine) are the basis for discipline content building:

- to form an understanding of the primary link between patients and the general medical practice - family medicine health care system;

- to know the organizational foundations of general medical practice - family medicine;

- to know realization of early diagnostics, differential diagnostics;

- to make a plan for examination of the patient and analyze the data of laboratory and instrumental examinations at the typical cases of the most common diseases and their complications, according to the principles of evidence-based and insurance medicine;

- to determine the tactics of the patient management at the outpatient stage for the most common diseases (regime, diet, treatment, rehabilitation);

- to know the principles of medical care at home and day hospitals;

- to know the principles of patients management at the system outpatient family doctor - inpatient - outpatient family doctor, to know indications and contraindications for hospitalization;

- to determine prognosis for life and work ability;

- to diagnose and provide medical care in emergencies at the outhospital stage;

- to know the family doctor documentation;

- to prevent the most common chronic diseases;

- to identify risk factors for chronic diseases.

- to determine the patient's health and be able to monitor health.

**The content of the discipline**

|  |  |
| --- | --- |
| 1. | The place of family medicine at the general structure of health care system and the principles of family care.  Organization of family doctor's work. Information support of primary care. Telemedicine at a family doctor practice. |
| 2. | The concept, principles and methods of palliative care.  Hospice. Management of patients at the terminal stages of the disease in the a family doctor practice, interaction with specialists. |
| 3. | Preventive medicine as the basis of a family doctor.  Screening programs. Control of risk factors for major diseases. Immunoprophylaxis at family medicine.  ICPC-2 International Classification. |
| 4. | Algorithm of the cardiovascular pathology family doctor management.  Primary and secondary prevention of essential hypertension, coronary heart disease, heart failure by a general practitioner, indications for hospitalization. Tactics of a family doctor at cases of acute coronary syndrome, hypertensive crisis. |
| 5. | Algorithm of the respiratory and urinary pathology family doctor management.  Primary and secondary prevention of asthma, COPD, pneumonia by a general practitioner, indications for hospitalization.  Primary and secondary prevention of chronic kidney disease by a general practitioner, indications for hospitalization. |
| 6. | Algorithm of the endocrinological and gastrointestinal pathology family doctor management.  Primary and secondary prevention of diabetes by a general practitioner, indications for hospitalization.  Primary and secondary prevention of hepatomegaly, gastrointestinal tract functional diseases by a general practitioner, indications for hospitalization. Family doctor tactics at case of abdominal pain syndrome. |
| 7. | Algorithm of the joint syndrome family doctor management.  Primary and secondary prevention of osteoarthritis, osteoporosis, rheumatoid arthritis, back pain by a general practitioner, indications for hospitalization.  Differential credit. |

**Discipline policy and values**

Discipline requirements – following the laws of Ukraine, Kharkiv National Medical University rules, general ethics.

Class attendance and behavior - prohibition of absence, delays.

Academic Integrity Policy – following the academic integrity.

Policy for people with special educational needs – individual approach to students according curriculum.

Recommendations for successful discipline passing – following the curriculum, obtaining enough of points.

Penalties – non-compliance with these requirements leads to penalties.

Accident prevention – following the safety regulations.

Procedure for informing about syllabus changes - this information is available at the official website of Kharkiv National Medical University.

**Discipline Assessment**

Marks system based at the "Інструкція з оцінювання навчальної діяльності студентів при Європейській кредитно-трансферній системі організації навчального процесу у ХНМУ" (2016).

During each practical classes students have traditional 4-point system marks: "excellent", "good", "satisfactory" or "unsatisfactory".

The final score for the current learning activity is defined as the arithmetic mean of traditional grades for each lesson and converted to a multi-point scale according to Table 1.

Table 1

**Recalculation of the average score for current activities in a multi-point scale**

| 4-point scale | 120-point scale |  | 4-point scale | 120-point scale |
| --- | --- | --- | --- | --- |
| 5 | 120 | 3.91-3,94 | 94 |
| 4.95-4,99 | 119 | 3.87-3,9 | 93 |
| 4.91-4,94 | 118 | 3.83- 3,86 | 92 |
| 4.87-4,9 | 117 | 3.79- 3,82 | 91 |
| 4.83-4,86 | 116 | 3.74-3,78 | 90 |
| 4.79-4,82 | 115 | 3.7- 3,73 | 89 |
| 4.75-4,78 | 114 | 3.66- 3,69 | 88 |
| 4.7-4,74 | 113 | 3.62- 3,65 | 87 |
| 4.66-4,69 | 112 | 3.58-3,61 | 86 |
| 4.62-4,65 | 111 | 3.54- 3,57 | 85 |
| 4.58-4,61 | 110 | 3.49- 3,53 | 84 |
| 4.54-4,57 | 109 | 3.45-3,48 | 83 |
| 4.5-4,53 | 108 | 3.41-3,44 | 82 |
| 4.45-4,49 | 107 | 3.37-3,4 | 81 |
| 4.41-4,44 | 106 | 3.33- 3,36 | 80 |
| 4.37-4,4 | 105 | 3.29-3,32 | 79 |
| 4.33-4,36 | 104 | 3.25-3,28 | 78 |
| 4.29-4,32 | 103 | 3.21-3,24 | 77 |
| 4.25- 4,28 | 102 | 3.18-3,2 | 76 |
| 4.2- 4,24 | 101 | 3.15- 3,17 | 75 |
| 4.16- 4,19 | 100 | 3.13- 3,14 | 74 |
| 4.12- 4,15 | 99 | 3.1- 3,12 | 73 |
| 4.08- 4,11 | 98 | 3.07- 3,09 | 72 |
| 4.04- 4,07 | 97 | 3.04-3,06 | 71 |
| 3.99-4,03 | 96 | 3.0-3,03 | 70 |
| 3.95- 3,98 | 95 | Less than 3 | Not enough |

To be admitted to the differentiated credit, the student must receive from 70 to 120 points.

Assessment of theoretical knowledge at the differential credit is carried out according to table 2.

Table 2

**Assessment of theoretical knowledge**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Number of questions | «5» | «4» | «3» | Oral answer, which include the theoretical part of the discipline | For each answer the student receives from 10 to 16 points, which corresponds to:  "5" - 16 points;  "4" - 13 points;  "3" - 10 points. |
| 5 | 16 | 13 | 10 |
|  | 80 | 65 | 50 |

Assessment of the results of the study of disciplines is carried out during the differential credit. The mark of the discipline is defined as the sum of s final score for the current learning activity and differential credit and must be from min - 120 to max - 200. The correspondence of marks on the 200-point scale, four-point (national) scale and ECTS scale presents in Table 3.

Table 3

**Correspondence of 200-point scale,**

**four-point (national) scale and ECTS scale**

|  |  |  |
| --- | --- | --- |
| 200-point scale score | ECTS scale score | four-point (national) scale |
| 180–200 | А | Excellent |
| 160–179 | В | Good |
| 150–159 | С | Good |
| 130–149 | D | Satisfactory |
| 120–129 | E | Satisfactory |
| Less than 120 | F, Fx | Unsatisfactory |

The mark of the discipline is given only to students who have passed all the final classes and the differential credit. Students are given an FX mark, if they were admitted to the differential test, but did not pass it. F mark is given to students who are not admitted to the differential credit.

**Additional materials:**

Library of Kharkiv National Medical University.

Official site of the Ministry of Health of Ukraine: <http://www.moz.gov.ua/>