

MINISTRY OF HEALTHCARE OF UKRAINE

Danylo Halytsky Lviv National Medical University

APPROVED

by the Vice-Rector for Academic
Work, Professor I.I. Solonynko

Faculty of Medicine
Department of Family Medicine
Course: General Practice - Family
Medicine
Basic (yes, no)
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WORKING PROGRAM

of the course “General Practice - Family Medicine”
specialists of the second (master's) level of higher education

22 "Health care"

Specialty 222 «Medicine»

Faculty of Medicine, 6th year of study

Discussed and adopted
at the Department Meeting
on _____ 2023

Minutes No. _____ as of _____ 2023

Department Chair

_____ prof. O.N. Nadashkevych

Approved by the
Profile Methodological Commission
on _____ 2023

Minutes No. _____ as of _____ 2023

Chair

_____ prof. O.M. Radchenko

Lviv – 2023

The current curriculum was developed for medical students by employees of the Department of Family Medicine of Danylo Halytskyi Lviv National Medical University on the basis of the new educational plan in 2021 and meets the criteria of the European Credit Transfer and Accumulation System (ECTS) by professors O.N. Nadashkevich associate professors: Paraschuk BM, Shalko I.V, Stefuk O.Z., N.M. Hromnatska, V.O. Skliarova

**Amendments and modifications to the course working program
for 2022-2023 academic years.**

No.	Content of the amendments (modifications)	Date and number of the Department Meeting Minutes	Notes
	No amendments were made	31.08.2022 № 1	

EXPLANATORY NOTE

The curriculum is aimed to prepare students of higher medical educational institutions of Ukraine as specialists of second (master's) level of higher education, helps professional growth and is an integral part of the educational process.

The program is designed in accordance with the normative document:

- educational and qualification characteristics (EQC) and educational and professional programs (OPP) of training specialists, industry standards of higher education in the field of knowledge 22 Health care, specialty 222 "Medicine"

The syllabus is developed in accordance with the following regulatory documents:

- “Programme of primary medical care development based on the principles of family medicine for the period up to 2012” approved by the Supreme Council of Ukraine on 29.01.2010.
- «State programme of primary medical care development based on the principles of family medicine for the period up to 2010” approved by the Ordinance of the Cabinet of Ministers of Ukraine of 24.07.2006, №421-p
- Resolution №989 “On extensive measures related to introduction of family medicine into the health care system”;
- Order of the Ministry of Health of Ukraine №214 of 11.09.2002 “On approval of transfer plan to organization of primary medical care based on the principles of family medicine”;
- Course descriptions (CD) and educational and professional programs (EPP) for training of specialists approved by the order of the Ministry of Education and Science of Ukraine of 16.04.03 №239 “On approval of the integral industry specific standards of higher education on training program 1101 “Medicine”;
- Experimental education plan developed in accordance with the principles of European Credit Transfer System (ECTS) and approved by the order of the Ministry of Health of Ukraine of 31.01.2005, №52 “On approval and introduction of new education plan of specialists training pursuing education and qualification level of Specialist with qualification “Doctor” in higher education institutions of III-IV accreditation levels of Ukraine in specialities “General Medicine”, “Pediatrics”, “Medical and preventative care”;
- Recommendations related to development of syllabi of the courses approved by the order of the Ministry of Health of Ukraine of 24.03.2004 №152 “On approval of recommendations related to development of syllabi of the courses” with amendments and modifications introduced by the order of the Ministry of Health of Ukraine of 12.10.2004 № 492 “On introduction of amendments and modifications to recommendations related to development of syllabi of the courses”;
- Order of the Ministry of Health of Ukraine of 31.01.03 №148 “On the measures related to implementation of provisions of Bologna Declaration into the system of higher medical and pharmaceutical education”;
- Regulations on the system of student’s learning activity grading in the credit-modular system of educational process organization (Medical education

in the world and in Ukraine. Approved by the Ministry of Health of Ukraine as a manual for lecturers, masters, post-graduate students, students. Kyiv. Knyha plus. 2005).

Working program of the course is structured into one final module, subjects in conformity with requirements of “Recommendations to development of syllabi of the courses” (order of the Ministry of Health of Ukraine of 12.10.2004p. №492).

More than 80% of sick people begin and finish their medical treatment in outpatient-polyclinic conditions. The majority of graduates of medical universities (academies) upon graduation start their professional activities in polyclinics or outpatient clinics. In January 2010, the Supreme Council of Ukraine ratified “Programme of primary medical care development based on the principles of family medicine for the period up to 2012”. In accordance with this programme, a family physician is a specialist that provides primary medical care exclusively at the prehospital phase. This requires proper training of the graduates of higher medical education institutions before work in outpatient-polyclinic conditions. The main purpose of the course “General Practice – family medicine” is to provide the students with basic training related to organization of medical care based on the principles of family medicine, basic principles of provision of medical care in outpatient-polyclinic conditions, and issuing necessary medical documents. Reorganization of practical health care, transfer from district-therapeutic principle of work of therapists and pediatricians to organization of primary medical care (PMC) based on the principles of family medicine set new strategic goals for various levels of health care, including training of family physicians both at pre-graduate and post-graduate stages.

Course “General practice – family medicine”:

- a) defines the place and role of family medicine in the general structure of health care;
- б) is based on introduction of the principles of public service to the students in accordance with the principles of family medicine, as well as functional duties of family physicians and the structure of health insurance;
- в) introduces the basic national programmes related to prevention, diagnosis and treatment of common diseases in Ukraine to the students;
- г) studies the structure and fundamentals of information support of the outpatient-polyclinic institution and its separate departments;
- д) enables practical study of the rules of medical documentation maintenance by the doctor of relevant speciality and family physician; planning of work, follow-up and analysis of disease rate and efficiency of physician’s work;

Educational process is organized in accordance with the credit-modular system based on the requirements of Bologna process.

Working program of the course is structured into one module that consists of five comprehensive modules. The scope of study load is described in ECTS credits – credit grades that are awarded to the students following their successful retention of the corresponding module (credit).

Description of education plan of the course “General practice – family medicine” for the students of medical faculties

Structure of the course	Hours, including			Students' Individual Work	Year of study	Type of control
	Total	Classroom				
		Lectures	Practical sessions			
Module General practice - family medicine: <i>Comprehensive modules 5</i>	30 credits ECTS/ 90 hours	0	46	44	6 th year (XI-XII semester)	Credit

Classroom hours – 44,5%, Students' Individual Work (SIW) – 55,5%

PURPOSE OF THE COURSE STUDY

Purpose of “**General practice – family medicine**” study – *final objectives* are set on the basis of Educational and Professional Program of physician speciality training according to the block of its comprehensive module (professionally oriented fundamental training), and serve as the basis for development of the course content. Description of the objectives is provided through skills in the form of targets (actions). *Specific objectives* are defined on the basis of final objectives to the module and comprehensive module as the certain skills (actions), targets that ensure achievement of the final purpose of the course study. Final objectives are set forth at the beginning of the program and are followed by its content, specific objectives are followed by the content of the comprehensive module.

Final objectives of the course study

- *study of the basic regulatory documents of the Ministry of Health of Ukraine related to organizational structure of polyclinic, outpatient family medicine and its separate divisions;*
- *defining the role of family physician in promotion of a healthy lifestyle, preventive treatment and preventive medical examination;*
- *drawing individual programs of preventive treatment, early diagnostics and treatment of the common diseases in Ukraine in accordance with the national programmes and protocols of medical care provision to the general public;*
- *learning the procedure of disability examination;*
- *mastering the skills of emergency medical care provision by the family physician;*
- *learning the principles of work organization and provision of medical care in day-patient and outpatient treatment of polyclinic;*

- *knowledge of the basic manifestations, risk factors, principles of treatment of the major widespread diseases for the purpose of their prevention, early diagnostics and timely provision of necessary medical care;*
- *assessment of physical and neuropsychic development of a child;*
- *learning the basic principles of balanced feeding of children of various age groups, in particular, infants;*
- *learning the mission of the reproductive health services, tasks of the programmes related to family planning, methods of natural family planning, classification of contraceptives.*

WORKING PROGRAM OF THE COURSE

Module 1. General practice – family medicine

Comprehensive module 1. Outpatient therapy.

Specific objects:

- master the principles of public service based on the family medicine;
- drawing individual programs of preventive treatment, early diagnosis and treatment of the common diseases in Ukraine in accordance with the national programmes and protocols of medical care provision to the general public;
- know organizational forms of work and duties of the family physician, be able to make statistical analysis of the family physician's work taking into account the key indicators;
- determine indications and contraindications for treatment of patients in day patient and outpatient departments of polyclinic;
- learn in practice the principles of provision of emergency care to the patient at prehospital phase.

Subject 1. Place of the family medicine in general structure of healthcare and principles of public service based on the family medicine. Organization of family physician's work. Specific aspects of outpatient therapeutic care.

Fundamental principles of medical care provision based on the family medicine. Statutory documents that regulate introduction of family medicine into practical healthcare and control organization of family physician's work. Principal directions of family physician's work. Forms of family physician's work organization. The main kinds of diagnostic-therapeutic, organizational and methodical, and sanitary-educational work in the district. Analysis of physician's profession. Principal documentation of a family physician in the district.

Subject 2. Organizational aspects of primary medical and social care system in Ukraine, its priority role in development and reformation of the health care. Family and insurance medicine in Ukraine. Structure of medical insurance, profession of family physician in conditions of insurance medicine.

System of primary medical and social care: territorial proximity of PMSC to the general public both in rural areas and in cities; distinction between the customer and the provider of health care services, legal, financial and economical division of primary and special medical care; transfer to organization of PMSC on the basis of the family medicine, introduction of mechanisms aimed at realization of patient's right to choose family physician at its discretion. The scope and procedure of primary medical care provision. Organization of medical treatment of secondary and third level by the family physician. Mission and purpose of insurance medicine. Special aspects and programs of voluntary medical insurance. Concept of development of voluntary medical insurance system in Ukraine and its normative and methodological basis.

Subject 3. Fundamentals of information support of polyclinic and outpatient family medicine. Medical and social aspects of public health. Role of the family physician in promotion of a healthy lifestyle, preventive treatment and preventive medical examination

Modern systems for monitoring of health status of population: standardization of diagnostics and treatment, quantitative assessment of symptoms and syndromes, and unification of physical storage medium. General questions of medical and social examination. Determination of the type of disability and its duration. Disability categories, preparation of documents on physical disability. Rehabilitation programs for patients and disabled persons. Dispensary method of care for patients and healthy people. Purpose of periodic health examination. Stages of medical care. Complex of recreation activities carried out during periodic health examination depending on the health group. Evaluation of periodic health examination efficiency.

Subject 4. National programmes on prevention, diagnostics and treatment of the common diseases in Ukraine. Work organization of day patient and outpatient departments of the polyclinic.

Introduction of the principal target national programmes on prevention and treatment of the common diseases in Ukraine. Analysis of the results of epidemiological situation monitoring and dynamics of public health statistics. Priority directions of future introduction of the national programmes. Possibilities of national programmes introduction at outpatient-polyclinic stage. Key targets of day patient departments of polyclinics. General indications and contraindications for treatment in day patient department of polyclinic and outpatient conditions. Consistency and continuity in the work of day patient department of the polyclinic. Diagnostic process in day patient department of the polyclinic. Complex of therapy measures in day patient department of polyclinic and outpatient treatment. Efficiency of day patient department of polyclinic work.

Subject 5. Organization of emergency medical care provision in family practice. Provision of emergency medical care by a family physician in case of sudden death at prehospital phase. Provision of emergency medical care by a family physician in case of pain syndrome.

Basic provisions of the Order of the Ministry of Health of Ukraine as of 17.01.2005 №24 “On approval of protocols on provision of medical care for speciality “Medicine of emergency”. Causes of sudden death at prehospital phase. Stages of emergency medical care provision in case of sudden death at prehospital phase. Pain syndrome in family practice. Methods of emergency medical care in case of pain syndrome of various genesis in outpatient-polyclinic conditions.

Comprehensive module 2. Outpatient pediatrics

Specific goals:

- learn in practice to assess physical growth and development of a child;
- practically assess neuropsychic development of a child;
- learn principles of balanced feeding;
- learn to estimate daily intake of food for an infant, learn efficiency criteria of infants’ feeding;
- make dietary pattern for breast-feeding mother;
- learn basic principles of feeding of toddlers, children of preschool and school ages.

Subject 1. Healthy child. Assessment of physical and neuropsychic development. Feeding of children of various age groups.

Indicators of physical and neuropsychic development of children of various age groups, criteria of children division by health groups. Definition of notion “healthy child”. Factors that influence physical development of a child. Principles of balanced feeding. Needs of children of various age groups in the main nutritive ingredients. Physiologic and biochemical value of the main food components. Breast, bottle and mixed feeding. Correction of breast feeding. Effectiveness criteria of infant’s feeding. Dietary pattern and feeding habits of breast-feeding mother. Feeding of toddlers, children of preschool and school ages.

Comprehensive module 3. Outpatient surgery

Specific goals:

Master the skills of emergency medical care provision at prehospital stage in case of:

- convulsions
- loss of consciousness
- stings
- bites
- electric injuries
- drowning
- effects of low and high temperatures

Subject 1. Provision of emergency medical care in family practice in case of convulsions and loss of consciousness. Provision of emergency medical care in family practice in case of stings, bites, electric injuries, drownings and effects of low and high temperatures.

Basic provisions of the Order of the Ministry of Health of Ukraine as of 17.01.2005 №24 “On approval of protocols on provision of medical care for speciality “Medicine of emergency”. Convulsions: types, causes, clinical manifestations, emergency medical care at prehospital phase. Causes of loss of consciousness. Algorithm of provision of emergency medical care in case of loss of consciousness at prehospital level. Basic principles of emergency medical care provision in case of snakebite, drowning, heatstroke, burns, poisoning by unknown gas or substance.

Comprehensive module 4. Outpatient obstetrics, gynecology and venereology.

Specific goals:

- learn key tasks of family planning services
- learn classification system of WHO
- systematize the causes of infertile couples, possibilities of diagnostics and treatment.
- know principal manifestations, risk factors, principles of treatment of sexually transmitted diseases and timely provision of needed care.

Subject 1. Marriage and family. Family planning. Contraception. Infertile couples. Prevention, diagnostics and treatment of infertility.

Mission of the reproductive health services related to family planning. Natural family planning methods. Classification of contraceptives. Mechanisms of action of various contraception methods, contraindications for their use. Methods of family planning. Infertile couples study.

Comprehensive module 5. Outpatient dermatovenereology

Specific goals:

- learn classification of sexually transmitted diseases by WHO;
- systematize possibilities of diagnostics and treatment of sexually transmitted diseases;

- know principal manifestations, risk factors, principles of treatment of sexually transmitted diseases and timely provision of needed care.
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STRUCTURE OF THE COURSE - “General practice – family medicine”

№	Subject	Practical sessions	SIW
Comprehensive module 1. Outpatient therapy.			
1	Place of family medicine in the general structure of healthcare and principles of public service based on the family medicine. Organization of family physician’s work. Specific aspects of outpatient therapeutic care	6	4
2	Organizational aspects of primary medical and social care system in Ukraine, its priority role in development and reformation of the health care. Family and insurance medicine in Ukraine. Structure of medical insurance, profession of family physician in conditions of insurance medicine	6	4
3	Fundamentals of information support of polyclinic, outpatient family medicine. Medical and social aspects of the public health. Role of the family physician in promotion of a healthy lifestyle, preventive treatment and periodic health examination	6	4
4	National programmes on prevention, diagnostics and treatment of the common diseases in Ukraine. Work organization of day-patient and outpatient departments of polyclinic	6	5
5	Organization of emergency medical care provision in family practice. Provision of emergency medical care by a family physician in case of sudden death at prehospital phase. Provision of emergency medical care by a family physician in case of pain syndrome	6	5
Comprehensive module 2. Outpatient pediatrics			
6	Healthy child. Assessment of physical and neuropsychic development. Feeding of children of various age groups	5	6
Comprehensive module 3. Outpatient surgery			
7	Provision of emergency medical care in family practice in case of convulsions and loss of consciousness. Provision of emergency medical care in family practice in case of stings, bites, electric injuries, drownings and effects of low and high temperatures	3	6
Comprehensive module 4. Outpatient obstetrics, gynecology and venereology			
8	Marriage and family. Family planning. Contraception.	3	5
Comprehensive module 5. Outpatient dermatovenereology			
9	Prevention, diagnostics and treatment of sexually transmitted diseases	5	5
Total – 105 hours		46	44
ECTS credits – 3,5 credits			
Classroom work – 50,5%, SIW – 49,5%			

Course plan of practical sessions on subject “General Practice – Family Medicine” for students of VI course of medical faculties № 1, 2 at the department of family medicine

№	Subject of practical session	Hours
1	Place of family medicine in the general structure of healthcare and principles of public service based on the family medicine. Organization of family physician’s work. Specific aspects of outpatient therapeutic care	6
2	Organizational aspects of primary medical and social care system in Ukraine, its priority role in development and reformation of the health care. Family and insurance medicine in Ukraine. Structure of medical insurance, profession of family physician in conditions of insurance medicine.	6
3	Fundamentals of information support of polyclinic, outpatient family medicine. Medical and social aspects of the public health. Role of the family physician in promotion of a healthy lifestyle, preventive treatment and periodic health examination	6
4	National programmes on prevention, diagnostics and treatment of the common diseases in Ukraine. Work organization of day-patient and outpatient departments of the polyclinic	6
5	Organization of emergency medical care provision in family practice. Provision of emergency medical care by a family physician in case of sudden death at prehospital phase. Provision of emergency medical care by a family physician in case of pain syndrome	6
6	Healthy child. Assessment of physical and neuropsychic development. Feeding of children of various age groups	5
7	Provision of emergency medical care in family practice in case of convulsions and loss of consciousness. Provision of emergency medical care in family practice in case of stings, bites, electric injuries, drownings and effects of low and high temperatures.	3
8	Marriage and family. Family planning. Contraception. Infertile couples. Prevention, diagnostics and treatment of infertility.	3
9	Prevention, diagnostics and treatment of sexually transmitted diseases	5
TOTAL:		46

Course plan of independent work on subject “General practice - family medicine” for students of VI course of medical faculties № 1, 2 at the department of family medicine

№	Subject of independent work	Hours	Methods of assessment
	Independent study of the subjects that are not included into the plan of classroom work:		
1.	Principles of rehabilitation of patients and disabled persons	4	Headnotes and reference papers
2.	Performance and quality indicators of family physician’s and general practitioner’s work	4	Formula for calculation
3.	Balanced diet of various groups of healthy population	4	Compose a menu
4.	Organization of the Social Security Disability Medical Exam	4	Organization scheme
5.	Diagnostics and prevention of rickets and anemia in children	5	Headnotes and reference papers
6.	Follow-up care for healthy and sick children	5	Organization scheme
7.	Work organization of polyclinic surgery department	4	Headnotes and reference papers
8.	Acutely purulent diseases of soft tissues. Mastitis. Erysipelas	5	Case studies
9.	Work organization of female health department	4	Headnotes and reference papers
10.	Common patterns of syphilis progression and its laboratory diagnostics. Diagnostics. Principles of therapy and prevention	5	Case studies
	TOTAL SIW on the course	44	

Note: During continuous assessment of the comprehensive module the student gets grades for retention of the subject according to the traditional system: 5-points, 4-points, 3-points, 2-points.

The highest score for current learning activity of the student amounts to 200 grades

Methods of assessment

Methods of assessment and grading system are applied in accordance with the requirements of syllabus of the course and the Regulations on grading system of student's learning activity in credit-modular system of educational process organization approved by the Ministry of Health of Ukraine (2005)

Module grade is determined as the total amount of grades for current learning activity (in points) that are given during assessment of theoretical knowledge and practical skills in accordance with the lists specified by the syllabus of the course.

The highest score given to the students for retention of each module (credit) amounts to 200 grades.

Continious assessment is made at each practical session in accordance with the specific goals on each subject. During assessment of students' learning activity preference should be given to the standard methods: testing, structured written papers, structured procedure of practical skills assessment under conditions close to relity.

Assessment of the current learning activity:

Significance of each subject within one module should be equal, however it may differ for various modules within one course, and is determined by the number of subjects in the module. Assessment of the current students' learning activity is described in the syllabus of the course.

For retention of each subject in the module the student is given grades for the current learning activity according to traditional 4-grade scale that are further converted into the grades depending on the number of subjects in the module. The following conversion system of traditional assessment system into grades was used in the syllabus:

Recalculation of the average grade for current learning activity into multiple grade scale

4- grade scale	200- grade scale
5	200
4.97	199
4.95	198
4.92	197
4.9	196
4.87	195
4.85	194
4.82	193
4.8	192
4.77	191
4.75	190
4.72	189
4.7	188
4.67	187
4.65	186
4.62	185
4.6	184
4.57	183
4.52	181
4.5	180
4.47	179

4- grade scale	200- grade scale
4.45	178
4.42	177
4.4	176
4.37	175
4.35	174
4.32	173
4.3	172
4.27	171
4.24	170
4.22	169
4.19	168
4.17	167
4.14	166
4.12	165
4.09	164
4.07	163
4.04	162
4.02	161
3.99	160
3.97	159
3.94	158

4- grade scale	200- grade scale
3.92	157
3.89	156
3.87	155
3.84	154
3.82	153
3.79	152
3.77	151
3.74	150
3.72	149
3.7	148
3.67	147
3.65	146
3.62	145
3.57	143
3.55	142
3.52	141
3.5	140

3.47	139
3.45	138
3.42	137
3.4	136

4- grade scale	200- grade scale
3.37	135
3.35	134
3.32	133
3.3	132
3.27	131
3.25	130
3.22	129
3.2	128
3.17	127
3.15	126
3.12	125
3.1	124
3.07	123
3.02	121
3	120
Less 3	Insuffici ent

The highest score the student may get for current learning activity during the course amounts to 200 grades.

The lowest score the student may get for current learning activity during the course amounts to 120 grades.

Semester assessment is made in the form of the semester final test on the course within the learning material specified by the syllabus and in the term determined by the educational plan.

Semester final test is the type of final assessment that involves assessment of student's retention of the learning material on a certain course based exclusively on the results of completion of all types of class assignments specified by the syllabus. Semester final test is graded based on the results of continuous assessment.

Grading of the independent work:

Students' independent work specified in the subject along with the classwork is graded during continuous assessment of the subject at the corresponding class.

Subjects intended for independent work only and not included into the subjects covered within the classroom are graded are evaluated at practical sessions.

Index of Literature Sources

1. FAMILY MEDICINE: in 3 books / Edited by O.M. Hyrina, L.M. Pasiyeshvili. – Kyiv: AUS Medicine Publishing, 2016.
2. TEXTBOOK OF GENERAL PRACTICE: Third edition / Edited by Anne Stephenson. – London: CRC press, 2013.
3. TEXTBOOK OF FAMILY MEDICINE: Third edition / Edited by I.R. McWhinney, T. Freeman. – New York, USA: Oxford University Press, 2013.
4. THE MERCK MANUAL of DIAGNOSIS and THERAPY: Nineteenth edition / Edited by K.A.G. Lane. – West Point, NJ, USA: Merck, Sharpe and Dohme, 2011.