



<b>1. General information</b>	
Name of the faculty	Medical faculty №1
Educational program (industry, speciality, level of higher education, study form)	22 Health care, 221 Medicine, second (magister's) level of higher education, full-time
Academic year	2020-2021
Department (name, address, telephone, e-mail)	Department of family medicine 79013, Lviv, Simonenko str.4, 38 (032)2632384, Kaf_familymedicine@meduniv.lviv.ua
Study year (year in which the study is implemented discipline)	5th
Semester (semester in which the study is implemented discipline)	10th
Type of discipline/module (required/optional)	Required
Teachers (names, surnames, degrees, ant titles of theachers discipline, contact e-mail.	MD, Prof. Nadashkevich O.N., prof.nadashkevich@yahoo.com MD, Assoc. Prof. Gromnatska N.M. gromnatska@gmail.com
Erasmus yes/no (discipline availability for students at under Erasmus + program	
The person responsible for syllabus (the person to whom comments should be provided rygarding syllabus, contact e-mail)	PhD Head Assoc. Prof. Paraschuk B.M. pbO2@ukr.net
Number of ECTS credits	1,5
Number of hours (lectures/practical classes/independent work students	45 (practical classes - 30, independent work of students - 15)
Study language	English language
Information about consultations	Consultations are held in accordance with the schedule of consultations approved by the head of the department
Address, telephone, and regulations of the clinical base, bureau.... (if necessary	

## 2. Short annotation to the course

The internship in the family medicine outpatient clinic and in the family department of the polyclinic of 5th year students in the scope of professional duties of a general practitioner - family doctor for medical care of children and adolescents is carried out during the one week in the family department of the polyclinic. The main task of industrial practice is the consolidation of knowledge and skills in the future professional activity, which are obtained in the process of studying the basic theoretical and clinical disciplines. During the internship in the family department of a polyclinic or family medicine outpatient clinic, they should study the methods of work of a family doctor and narrow specialists of pediatric profile and gain practical experience in the following areas of future professional activity: outpatient reception of sick and healthy children and adolescents; treatment of patients at home and in the day hospital of the clinic, providing them with emergency care; early diagnosis of various diseases using all available in the clinic methods of examination; dynamic monitoring of the population in order to identify risk factors for various diseases and their prevention; rehabilitation of children with extensive use of all rehabilitation measures; selection of patients for sanatorium treatment; resolving issues of examination of temporary incapacity for work; keeping medical records by a doctor of the relevant specialty; work planning, accounting and analysis of morbidity and efficiency of the doctor; promotion of sanitary and hygienic knowledge and principles of a healthy lifestyle among the population. Each student during the production is assigned to a doctor of the relevant specialty, together with the doctor conducts outpatient reception of sick and healthy children. During the outpatient reception, children are examined, treated and medical documentation is prescribed: prescriptions, sick leaves, referrals for various examinations and specialist consultations, sanatorium cards, letters of intent to PCC, etc. Issues of disability examination are being resolved for parents. If necessary, additional examinations of the children in the laboratory, functional diagnostic rooms or X-ray examination, consultations of related specialists, the student accompanies the child and takes an active part in conducting a particular study. After outpatient treatment, each student together with the doctor attends 3-4 calls home (primary or secondary). Visits are held on the day of receipt of the call. The outpatient card records the child's condition and prescribes treatment with a mark on the child's visit home. While working in the clinic, the student must master the principles of dynamic monitoring of the children. He conducts dynamic monitoring of registered sick and healthy people; prescribes the necessary treatment, prevention and rehabilitation measures. Students take part in the work of PCC together with the doctor: they learn to fill in the letterheads, master the criteria for determining disability groups, the provisions on the examination of temporary disability. Together with the doctor on duty at the clinic, students provide emergency care to patients and victims.

## 3. The purpose and objectives of the course

**1.** The purpose of the study "Medical practice in the family department of the clinic for medical care of children and adolescents": professional training of students majoring in "Medicine" and "Pediatrics", the formation and development of their competence in the field of medical care in the family medicine clinic and family department of the clinic, which aims to obtain the necessary volume of theoretical knowledge, acquisition of practical skills in the field of health care. Medical practice: students studying the organizational structure of the clinic and its individual units, as well as the documentation of the Ministry of Health of Ukraine, which regulates its work; participation in outpatient reception of sick and healthy children by family doctors and specialists - specialists, mastering the skills of keeping the necessary documentation by doctors of outpatient clinics; mastering the rules of dynamic monitoring of sick and healthy people of certain groups, the possibility of providing medical care in a day and home hospital; participation in the formation of the basic principles of a healthy lifestyle for the prevention of the most common diseases among the population; knowledge of the main manifestations, risk factors, principles of treatment of the main most common diseases in order to prevent them, early detection and timely provision of necessary care.

**2. Learning objectives:** Defining the basic principles of providing medical care on the basis of family medicine. Study of the basic forms, responsibilities of family doctors. Study of epidemiology, risk factors, possibilities of prevention and early diagnosis of the main most common diseases of internal organs. Acquaintance with the relevant documentation for filling in the outpatient card, certificate of incapacity study, statistical coupon, referral to PCC, control card for dynamic monitoring, etc.

**3. Competences and learning outcomes,** the formation of which provides the study of the discipline

(general and special competencies).

### **General**

1. Ability to abstract thinking, analysis and synthesis.
2. Ability to apply knowledge in practical situations.
3. Knowledge and understanding of the subject area and understanding of professional activity.
4. Ability to conduct research at the appropriate level.
5. The ability to learn and master modern knowledge.
6. Ability to identify, create and solve problems.

### **Special (professional, subject):**

#### **Know:**

1. **Organizational structure** of the polyclinic and its separate subdivisions, as well as the documentation of the Ministry of Health of Ukraine, which regulates its work.
2. Principles of outpatient reception of sick and healthy children and adolescents by family doctors and specialists, skills of keeping the necessary documentation by doctors of outpatient clinics.
3. Rules for conducting dynamic monitoring of sick and healthy children of certain groups, the possibility of providing medical care in a day and home hospital.
4. Basic principles of a healthy lifestyle for the prevention of the most common diseases among the children.
5. The main manifestations, risk factors, principles of treatment of the main most common diseases in order to prevent them, early detection and timely provision of necessary care.
6. Psychological, deontological aspects of the family doctor's activity and peculiarities of the family doctor's communication with the child and his family.

#### **Be able:**

1. To solve medical and social problems of the family.
2. Carry out dynamic monitoring of healthy and sick children.
3. To determine the criteria for assessing the viability, effectiveness, relevance of screening programs.
4. To make programs of the plan of carrying out of step-by-step preventive actions for improvement of a state of health of a child and family.
5. Assign and interpret methods of laboratory, instrumental, functional diagnosis of diseases used in the family doctor's clinic.
6. Identify methods of primary, secondary prevention.
7. Assess the prevalence of risk factors as a first step in the development of preventive measures.
8. Carry out prevention of chronic non-communicable diseases and promotion of a healthy lifestyle
9. Examination of temporary disability of the child.
10. Analyze the criteria of disability groups.
11. Analyze methods for detecting disorders in diseases of internal organs and systems.
12. Analyze the indicators of research of clinical and biochemical blood tests and urine, feces, duodenal content, gastric content, bile etc.
13. Interpret indicators of instrumental methods of examination of internal organs and systems.
14. Learn principles of treatment of the most common diseases among the children in outpatient settings.

#### **Autonomy and responsibility.**

1. Conducting outpatient reception of patients and healthy people.
2. Treatment of children at home and in the day hospital of the clinic, providing them with emergency care.
3. Early diagnosis of various diseases using all available in the clinic methods of examination.
4. Dynamic monitoring of healthy and sick children in order to identify risk factors for various diseases and their prevention.
5. Rehabilitation of children with extensive use of all rehabilitation measures.
6. Selection of children for sanatorium treatment.
7. Resolving issues of examination of temporary incapacity for work.
8. Keeping medical records by a doctor of the relevant speciality.
9. Work planning, accounting and analysis of morbidity and efficiency of the doctor.
10. Promotion of sanitary and hygienic knowledge and principles of a healthy lifestyle among the population.

4. Prerequisite if the course		
It is expedient for successful training and mastering of competencies in this discipline as: "Internal Medicine", "Deontology in Medicine", "Social Medicine", "Public Health."		
5. Program learning outcomes		
List of learning outcomes		
Cod of learning outcomes	Content of learning outcome	Link to the matrix competencies
The code is created when filling in the syllabus (Category: Kn-knowledge, S-skill, C-competence, AR-autonomy and responsibility)	Learning outcomes determine that the student must know, understand and be able to perform after completing the discipline. Learning outcomes follow from the set learning goals. It is necessary to enroll in the discipline confirm the achievement of each learning outcome	Symbol of the Program Learning Outcome Code in the Higher Education Standard
<i>Kn-1</i>	To know the organizational structure of the clinic and its individual units, as well as the documentation of the Ministry of Health of Ukraine, which regulates its work	<i>P - 23</i>
<i>Kn-2</i>	To know the principles of outpatient reception of sick and healthy children by family doctors and doctors - specialists, skills of keeping the necessary documentation by doctors of outpatient clinics	<i>P - 2, 3, 23</i>
<i>Kn-3</i>	To know the rules of dynamic monitoring of sick and healthy people of certain groups, the possibility of providing medical care in a day and home hospital	<i>P - 2, 3, 23</i>
<i>Kn-4</i>	To know the basic principles of a healthy lifestyle for the prevention of the most common diseases among the children	<i>P - 7, 23</i>
<i>Kn-5</i>	To know the manifestations, risk factors, principles of treatment of the most common diseases in children in order to prevent them, early detection and timely provision of necessary care	<i>P - 7, 23</i>
<i>Kn -6</i>	To know the psychological, deontological aspects of the family doctor and the peculiarities of communication of the family doctor with the child and his family	<i>P - 2, 3, 7, 23</i>
<i>S -1</i>	Ability to abstract thinking, analysis, and synthesis	<i>PR-23</i>
<i>S -2</i>	Ability to apply knowledge in practice situations	<i>PR-23</i>
<i>S -3</i>	Ability to conduct clinical and laboratory and instrumental research at the appropriate level	<i>PR-23</i>
<i>S -4</i>	Ability to learn and master modern knowledge	<i>PR-23</i>
<i>S -5</i>	Ability to identify, pose and solve problems	<i>PR-23</i>
<i>S -6</i>	Ability to solve medical and social problems of the family	<i>PR-2, 3, 7, 23</i>
<i>S -7</i>	Ability to conduct dynamic monitoring of healthy	<i>PR-2, 3, 7, 23</i>

	and sick population	
S -8	Ability to determine the criteria for assessing the viability, effectiveness, relevance of screening programs	PR-2, 3, 7, 23
S -9	Ability to draw up programs of a plan of step-by-step preventive measures to improve the health of the family	PR-2, 3, 7, 23
S -10	Ability to prescribe and interpret methods of laboratory, instrumental, functional diagnosis of diseases used in the family doctor's clinic	PR-2, 3, 7, 23
S -11	Ability to conduct an examination of temporary disability	PR-2, 3, 7, 23
S -12	Ability to analyze disability criteria in children	PR-2, 3, 7, 23
C-1	Ability to maintain regulatory medical records and complete the HELSI electronic medical information system	PR-23
C-2	Processing of state, social and medical information	PR-23
AR-1	The ability to act socially responsibly and consciously	PR-23
AR2	The ability to exercise one's rights and perform one's duties	PR-23
AR-3	The ability to protect their rights and legitimate interests	PR-23

#### 6. Format and scope of the course

Course format (specify full-time or part-time)	Full-time course	
Kind of occupation	Quantity of hours	Quantity of groups
Practical	30	8
Self-preparation	15	8

#### 7. Topics and content of the course.

Code type to borrow	The me	Learning content	Code of the teaching result	Theacher
P-1 (practical lesson 1)	Structure and organization of work of the family medicine department of the polyclinic and family medicine outpatient clinic. Participation in outpatient reception. Diagnosis and treatment of major children's diseases in outpatient settings.	Carrying out of medical reception in polyclinic and outpatient clinic of family medicine under the control of the general practitioner - the family doctor or the pediatrician. Providing medical care to children and adolescents at home under the supervision of a family doctor and	Kn-1, Kn-5, Kn-6, S-1, S-2, S-3, S-4, S-5, S-8, S-9, S-10, S-11, AR-1, AR-3	MD, Assoc. Prof. Gromnatska N.M.

	<p>Indications for planned and urgent hospitalization of children in outpatient practice. Participation in the preparation of basic accounting and statistical documents in the work of a family doctor.</p>	<p>pediatrician. Organization of a home hospital, conducting the necessary examinations, consultations and treatment at home. Providing medical care in the day hospital of the clinic under the supervision of a doctor. Organization of emergency care at home and in outpatient settings, study of indications and rules of hospitalization for urgent needs. Registration of medical documentation: history of development of the child (f.112 / o), medical card of the outpatient (f.25 / o), the statement of the account of visit of the patient (f.039 / o) , card of the patient of the day hospital of the polyclinic (f.003 / 2 / o), informed voluntary consent of the patient for diagnosis, treatment and anesthesia (f.003 / - 6/o), card of preventive vaccinations (063/o) , consultations at home (f. 039/o), certificates for obtaining a permit for sanatorium treatment (f.070 / o), sanatorium-resort card (f.072/o) and work in the HELSI medical</p>		
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		<p>electronic information system. Execution of documents of temporary incapacity of parents due to the child's illness. Acquaintance with the organization of improving actions, rehabilitative treatment, sanatorium selection and treatment of children. Duty under the supervision of a family doctor and pediatrician in the department or office of emergency care of the clinic, acquaintance with the principles of emergency care at the prehospital stage.</p> <p>Evaluation of laboratory and instrumental research results: general analysis of blood, urine, feces, biochemical blood test, microbiological study of biological fluids and secretions, PCR, ELISA, , general analysis of sternal punctate, X-ray examination, CT and MRI of organs thorax, abdominal cavity, joints, X-ray contrast angiography, ECG, echocardiography, ultrasound of the abdominal cavity, general analysis of sternal punctate, X-ray examination, CT and MRI of organs of the thorax, abdominal</p>		
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		cavity, joints. Carrying out general medical manipulations: subcutaneous, int- ramuscular, intra- venous injections, intravenous drip injections setting mustard and compresses, wa- shing stomach, cleansing and the- rapeutic enemas, preparation of chil- dren for X-ray examinations of the stomach and intes- tines, ultrasound of the internal organs of the abdomen and kidneys, fibrogastroduodeno- scopy, colono- scopy, fractional examination of gastric secretion, Ph-metry, duodenal sounding. Study of statistical indicators of the quality of work of a family doctor.		
P-2 (practical lesson 2)	Estimation of physical and neuropsychologica l development of the child. Determining the child's health. Creating a diet for a healthy child. Participation in the system of patronage for children Participation in preventive measures and dynamic observation of children with different diseases.	Contents of patronage work of a family doctor. Continuous dynamic observation of children of the first year of life at the site, care for newborns and infants at home. Indicators of physical and neuropsychological development of children in the first year of life, the first three years of life, preschool and school age. Breastfeeding of the child in the first year of life, the	Kn-1, Kn-2, K n - 3, Kn-4, Kn-1, S-3, S-4, S-5, S-6, S-12	MD, Assoc. Prof. Gromnatska N.M.



		<p>introduction of complementary food.</p> <p>Prevention and treatment of hypogalactia in breast-feeding mother.</p> <p>Organization of specific non-specific prevention and treatment of rickets in children.</p> <p>Carrying out specific and nonspecific prevention and treatment of iron deficiency anemia in children.</p> <p>Specific and nonspecific prevention and treatment of acute respiratory viral infections and community-acquired pneumonia in children.</p> <p>Conducting regular screening examinations by risk groups.</p> <p>Dynamic observation of children with certain diseases, list of diseases, secondary and tertiary prevention and treatment, nature and duration of observation, indications and terms of deregistration.</p>		
P-3 (practical lesson 3)	Participation in vaccination of children in the clinic. Indications and contraindications	Calendar of preventive vaccinations of children and adolescents in Ukraine according	Kn-1, Kn-5, S-1, S-2, S-3, S-4, S-5, S-8, S-9, S-10, S-11, AR-1, AR-3	MD, Assoc. Prof. Gromnatska N.M.

	to vaccination. Participation in the provision of emergency care to children with post-vaccination reactions and complications.	to the Order of the Ministry of Health of Ukraine № 947 of 18.05.2018 "On amendments to the Calendar of preventive vaccinations in Ukraine". The procedure for preventive vaccinations. Indications and contraindications to vaccination of children. Vaccination of children with violation of the calendar of preventive vaccinations. Vaccination of HIV-infected children and adolescents. Participation in the provision of emergency care to children with post-vaccination complications.		
P-4 (practical lesson 4)	Providing emergency care to children in emergency situations at the prehospital stage.	Examination of the child, identification of syndromes and an emergency condition. Primary care for children and adolescents in emergencies: hyperthermia, convulsive syndrome, recurrent acetonemic vomiting, acute cardiovascular and respiratory failure, anaphylactic shock, Quincke's edema, hyperglycemic and hypoglycemic coma.	Kn-1, Kn-5, S -1, S-2, S-3, S-4, S-5, S-8, S-9, S-10, S-11, AR-1, AR-3	MD, Assoc. Prof. Gromnatska N.M.
P-5 (practical lesson 5)	Credit lesson,	Check mastering	Kn-1-5 , S-1-12,C-	MD, Assoc. Prof.

	differentiated credit	the list of questions. Discussion of issues for self-control. Solving test problems. Solving situational problems. Clarify issues by summarizing lessons.	1-2, AR-1-3	Gromnatska N.M.
CPW-1 ( <i>self-preparation work 1</i> )	Prevention and treatment of acute respiratory viral infections in children	Processing list of lesson questions. Preparing responses to questions for self-control. Preparation of creative tasks for the topic	Kn-1, Kn-2, Kn-3, Kn-4, S-1, S-3, S-4, S-5, S-6, S-12	MD, Assoc. Prof. Gromnatska N.M.
CPW-2 ( <i>self-preparation work 2</i> )	Prevention and treatment of acute non-hospital pneumonia in children	Processing list of lesson questions. Preparing responses to questions for self-control. Preparation of creative tasks for the topic	Kn-1, Kn-2, Kn-3, Kn-4, Kn-1, S-3, S-4, S-5, S-6, S-12	MD, Assoc. Prof. Gromnatska N.M.
CPW-3 ( <i>self-preparation work 3</i> )	Drawing up a route for a child with hypertension	Processing list of lesson questions. Preparing responses to questions for self-control. Preparation of creative tasks for the topic	Kn-1, Kn-2, Kn-3, Kn-4, S-1, S-3, S-4, S-5, S-6, S-12	MD, Assoc. Prof. Gromnatska N.M.
It is necessary to present a system of organization of classes, the use of interactive methods, learning technologies used for skills for transfer and assimilation of knowledge and skills.				

## 8. Verification of learning outcomes

### Current control

is carried out during training sessions and aims to check the assimilation of students educational material (it is necessary to describe the forms of conduct and control during training sessions). Forms of assessment of current educational activity should be standardized and include control of theoretical and practical training. The final grade for the current educational activity is set on a scale (national scale)

Learning outcome code	Code type to borrow	Method of verifying learning outcomes	Enrollment criteria
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		The field defines the methods and technologies of knowledge assessment students, namely, namely, a list of all types of work that the student is required to perform in class and the criteria for their evaluation. For example: test control, report on the performed laboratory work, demonstration of practical skills,etc. Each evaluation method must be described separately.	
<i>Kn - 1-5, S - 1-12, C – 1-2, AR – 1-3</i>	<i>P – 1-5, CP – 1-3</i>	Visiting practical classes. Execution of written tasks on the topic (test tasks, questions for self-control, tasks. Writing draft procedural documents. Participation in discussions. Discussion of issues submitted for independent study	For enrollment study of the discipline is necessary: - full compliance with the requirements of the curriculum; - correct solution of tasks both during classroom work and those that offered for independent study
<b>Final control</b>			
General system evaluation	Participation in the work during the semester/differentiated test -60%/40% on a 200-point scale		
Scales evaluation	Traditional 4-point scale, multi-point (200-point) scale, ECTS rating scale		
Terms of admission to final control	The student attended all practical classes and received at least 120 points for current performance		
Type of final control	Methods of final control	Критерії зарахування	
Test	All topics listed on must be credited current control. Scores from the 4-point scale are converted into points on a multipoint (200-point) scale in accordance with the regulations “Evaluation criteria, rules and procedures results of students educational activities”.	<i>Maximum number of points -200</i> <i>Minimal number of points - 120</i>	
<b>Examination criteria/differentiated test</b>			
<b>Differentiated test</b>	<i>In this field it is necessary to describe the procedure and methods of final control / all its stages</i>	<i>Criteria must be defined in points evaluation for each specific final stage</i>	
The maximum number of points that a student can score for the current educational activity for the admission of differentiated credit is 120 points. The minimum number of points that a student must score for the current academic activity for admission to the differentiated test is 72 points.			

<p><i>The calculation of the number of points is based on the student's grades for 4 score (national) scale during the study of the discipline, by calculating the arithmetic mean (CA), rounded to two decimal places. The resulting value is converted into points on a multi-point scale as follows:</i></p> $x = \frac{CA \times 120}{5}$
<p>Criteria for assessing an objective structured practical (clinical) exam Complex of practice-oriented exam of Masters work</p>
<p><b>9. Course policy</b></p>
<p><i>Indicates the policies of academic integrity, specific policies of the program that have value of the course.</i></p> <p><b>Academic Integrity:</b> <i>expected that student's work will be their original research or reasoning. Lack of references to sources used, fabrication of sources, write-offs, interference in the work of other students are, but are not limited, examples of possible academic dishonesty. Detection of signs of academic dishonesty in the student's work is the basis for its non-enrollment by the teacher, regardless of the extent of plagiarism or deception. Sources of training: the literary base can be provided by the teacher exclusively for educational purposes without the right to transfer it to third parties. Students are also encouraged to use other literature that is not on the recommended literature list.</i></p>
<p><b>10. Literature</b></p>
<p>Required</p> <ol style="list-style-type: none"> <li>1. Bratton's Family Medicine. Board review. 5 Edition / R.A. Baldor. – LWW, 2017. – 376 p.</li> <li>2. Case Files of Family Medicine. 3-d Edition / E. Toy, D. Briscoe, B. Britton, J.J. Heidelbauch. – Mc GrawHill Professional. – 2016. – 691 p.</li> <li>3. Healthy child. Physical, nervous and psychical development estimation. Nutrition of children during the first year. Study guide. / N.M.Gromnatska. – Lviv. – 2021.</li> <li>4. Pocket Primary Care. 1-st Edition / M.M.Kiefer, C.R. Chong. – LWW, 2014. – 374 p.</li> <li>5. Primary Care Medicine. 6-th Edition / A.H. Coroll, A.G. Mulley. – LWW, 2013. – 1613.</li> <li>6. Textbook of Family Medicine. 9-th Edition / R.E. Rakel, D.P. Rakel. – Saunders, 2015. – 1215 p.</li> </ol>
<p><b>11. Equipment, logistics and software of the discipline/course</b></p>
<p><b>12. Additional information</b></p>
<p><i>All other information important to the student, which is not included in the standard description, for example, contact details of the person responsible for the educational process at the department, information about scientific circle of the department, information about the routes of study, information about the need to equip themselves with their own labor protection; information about the venue to occupy; links to website/department pages, etc.</i></p>

Syllabus's Stacker  
M.D., Assoc. Prof.

Gromnatska N.M.

Head of the Department  
M.D., Prof.

Nadashkevich O.N.