



Annex 2
To the development and Periodic Review Procedure
educational problems

1. General information	
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.	Prof. Nadashkevich O.N., prof.nadashkevich@yahoo.com Assoc. Prof.Parashuk B.M. pb02@ukr.net , Assoc. Prof. Shalko I.V. i.shalko@meta.ua , Assoc. Prof. Kit Z.M. zoryana.kit27@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)	Head Assoc. Prof. Paraschuk BM pb02@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 is carried out during the 1st 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 therapeutic profile and gain practical experience in the following areas of future professional activity: outpatient reception of patients and healthy people; 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 patients 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 adults. During the outpatient reception, patients are examined, examined, treated and medical documentation is prescribed: prescriptions, sick leaves, referrals for various examinations and specialist consultations, sanatorium cards, letters of intent to MSEC, etc. Issues of disability examination are being resolved. If necessary, additional examinations of the patient in the laboratory, functional diagnostic rooms or X-ray examination, consultations of related specialists, the student accompanies the patient 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 patient's condition and prescribes treatment with a mark on the patient's visit home. While working in the clinic, the student must master the principles of dynamic monitoring of the population. He conducts dynamic monitoring of registered patients and healthy people; prescribes the necessary treatment, prevention and rehabilitation measures. Students take part in the work of PCC and MSEC 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 and MSEC. 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": professional training of students majoring in "Medicine", 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 adults 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 for work, statistical coupon, referral to MSEC, 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, pose 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 adults by family doctors and specialists - specialists, skills of keeping the necessary documentation by doctors of outpatient clinics.
3. Rules for conducting dynamic monitoring of sick and healthy people 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 population.
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 patient and his family.

Be able:

1. To solve medical and social problems of the family.
2. Carry out dynamic monitoring of healthy and sick population.
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 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.
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 duodenal contents, gastric juice, bile and biochemical parameters of blood.
13. Interpret indicators of clinical and biochemical examination of blood, urine, feces and instrumental methods of examination of internal organs and systems.
14. Principles of treatment of the most common diseases among the population in outpatient settings.

Autonomy and responsibility.

1. Conducting outpatient reception of patients and healthy people.
2. Treatment of patients 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 population in order to identify risk factors for various diseases and their prevention.
5. Rehabilitation of patients with extensive use of all rehabilitation measures.
6. Selection of patients 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		
Learning outcome code	The content of the learning outcome	Link to the matrix code 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 adults 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 population	<i>P - 7, 23</i>
<i>Kn-5</i>	To know the manifestations, risk factors, principles of treatment of the most common diseases 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 patient and his family	<i>II - 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	<i>PR-23</i>
<i>S-3</i>	Ability to conduct research at the appropriate level	<i>PR-23</i>
<i>S-4</i>	Ability to learn and master modern knowledge	<i>PR-23</i>

S-5	Ability to identify, pose and solve problems	PR-23
S-6	Ability to solve medical and social problems of the family	PR-2, 3, 7, 23
S-7	Ability to conduct dynamic monitoring of healthy and sick population	PR-2, 3, 7, 23
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 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 the criteria of disability groups	PR-2, 3, 7, 23
C-1	Ability to maintain regulatory medical records	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
AR-2	Ability to exercise one's rights and perform one's duties	PR-23
AR-3	Ability to protect their rights and legitimate interests	PR-23

6. Format and scope of the course

Course format (<i>specify full-time or part time</i>)	Очний	
Kind of occupations	Quantity of hours	Quantity of groups
Practical	30	52
Self-preparation	15	52

7. Topics and content of the course

Код виду занять	Тема	Зміст навчання	Код результату навчання	Викладач
P-1 (<i>practical lesson1</i>)	Principles of organization of planned and emergency care in an outpatient setting. Admission of patients. Conducting a survey and physical examination of patients. Filling in the medical card of an outpatient. Determining the scope of additional	Carrying out of medical reception in polyclinic under the control of the general practitioner - family doctor and registration of documentation of the general practitioner. Providing medical care to patients at home under the supervision of a general practitioner - family doctor.	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, Prof. Nadashkevich, PhD, Assoc. Prof. Parashuk M.D., PhD, Assoc. Prof. Shalko I.V., PhD, Assoc. Prof. Kit Z.M.

	<p>research, evaluation of their results</p> <p>Establishing a preliminary diagnosis.</p> <p>Determining the tactics of further treatment, rehabilitation, prevention.</p> <p>Labor forecast.</p>	<p>Acquaintance with the organization of emergency care at home and in outpatient settings, study of the rules of hospitalization for urgent needs.</p> <p>Registration of temporary incapacity for work, certificate of temporary incapacity for work and documents when referring a patient to the ITU (letter of intent) to determine the degree of disability.</p> <p>Extraction of prescriptions and registration of prescriptions for free distribution of medicines.</p> <p>Emergency reports of infectious patients have been issued.</p> <p>Acquaintance with the organization of improving actions, restorative food, sanatorium selection.</p> <p>Registration of certificates for the needs of sanatorium treatment and sanatorium cards.</p> <p>Interpretation of laboratory and instrumental research results: general blood test, biochemical blood test, general urine test, Zemnitsky and Nechiporenko test results, fecal and coprogram analysis, sputum analysis, pleural and ascitic fluid</p>		
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		analysis, gastric secretion analysis, bile, EKG, echocardiography, X-ray examination, of the chest, gastrointestinal tract, gallbladder, kidneys, esophago gastroduodenoscopy, colonoscopy.		
P-2 (<i>practical lesson 2</i>)	Work in the office of functional diagnostics: assessment of the function of external respiration, ECG, echocardiography, phonocardiography, radiography and radioscopy of the chest, gastrointestinal tract, gallbladder and kidneys, esophagogastrroduodenoscopy, coloscopy.	Epidemiology of hypertension and definition: exogenous and endogenous risk factors for hypertension and definition: exogenous and endogenous risk factors for hypertension methods of active detection, classification, standards of examination of patients and their rehabilitation, dispensary observation of people with risk factors and patients, the effectiveness of primary and secondary prevention of hypertension. Definition of nosological concept, epidemiology of coronary heart disease: methods of active detection of early manifestation of coronary heart disease, standards of examination of patients with coronary heart	Kn-1, Kn-2,Kn-3, Kn-4, S-1, S-3, -4, S-5, S-6, S-12	MD, Prof. Nadashkevich, PhD, Assoc. Prof. Parashuk M.D. , PhD, Assoc. Prof. Shalko I.V, PhD, Assoc. Prof. Kit Z.M.

		<p>disease, depending on the form of coronary heart disease according to the International Classification, dispensary observation of patients with various clinical forms of coronary heart disease. Epidemiology of COPD and definition, classification: exogenous and endogenous risk factors for COPD, methods of active detection, standards of examination of patients and their rehabilitation, Dynamic observation of people with risk factors and patients Methods for determining Helicobacter pylori-associated diseases - chronic gastritis and peptic ulcer disease, methods of eradication of Helicobacter pylori Infection, schemes of classical and alternative therapy. Classification of chronic kidney disease (CKD): urinary syndrome: interpretation of changes, indications for instrumental studies, exogenous and endogenous risk factors for major kidney disease.</p>		
P-3 (<i>practical lesson3</i>)	Work in the physiotherapy	Definition of rehabilitation in	Kn-1, Kn-5, S-1, S -2,	MD, Prof. Nadashkevich, PhD,

	room: participation in conducting - electrotherapy with direct current, pulsed currents of low and sound frequency, high- frequency electrotherapy, magnetic therapy, aeroionotherapy, ultrasound therapy, heat and hydrotherapy procedures, etc.	medicine. Basic principles of rehabilitation in medicine. Types of rehabilitation. Stages of rehabilitation . Factors (methods) of rehabilitation. Department of rehabilitation treatment in the clinic . Contrindication for referral to the rehabilitation department. Sanatoriums.	S -3, S -4, S -5, S-8, S -9, S -10, S -11, AR-1, AR-3	Assoc. Prof. Parashuk M.D. , PhD, Assoc. Prof. Shalko I.V, PhD, Assoc. Prof. Kit Z.M.
P-4 (<i>practical lesson4</i>)	Work in the emergency room of the clinic: examination of the patients, identifica-tion of syndromes and the presence of emergencies. Participation in emergen-cy care in emergency situations: acute heart failure, hypertensive crisis, paroxysmal heart rhythm disorders, pulmonary embolism, asthmatic status, acute Gastrointestinal bleeding, acute renal failure, etc.	Emergencies in diseases of the circulatory system, respiratory system, digestive system, endocrine system and urination.	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, Prof. Nadashkevich, PhD, Assoc. Prof. Parashuk M.D. , PhD, Assoc. Prof. Shalko I.V, PhD, Assoc. Prof. Kit Z.M.
P-5 (<i>practical lesson5</i>)	Credit lesson, differentiate credit	Check mastering the list of questions. Discussion of issues for self- control. Solving test problems. Solving situational problems. Summarizing problematic issues of lesson.	Kn-1-5 , S-1-12,C- 1-2, AR-1-3	MD, Prof. Nadashkevich, PhD, Assoc. Prof. Parashuk M.D. , PhD, Assoc. Prof. Shalko I.V, PhD, Assoc. Prof. Kit Z.M.

CP-1 (self-preparation 2)	Deremining the performance of family physicians, day and home hospitals.	Processing list of lesson questions. Preparing responses to questions for self-control. Preparation of creative task for the topics.	Kn-1, Kn-2, Kn-3, Kn-4, S-1, S-3, S-4, S-5, S-6, S-12	MD, Prof. Nadashkevich, PhD, Assoc. Prof. Parashuk M.D., PhD, Assoc. Prof. Shalko I.V, PhD, Assoc. Prof. Kit Z.M.
CP-2 (self-preparation 2)	Development of model prevention programs	Processing list of lesson questions. Preparing responses to questions for self-control. Preparation of creative task for the topics.	Kn-1, Kn-2, Kn-3, Kn-4, Kn-1, S-3, S-4, S-5, S-6, S-12	MD, Prof. Nadashkevich, PhD, Assoc. Prof. Parashuk M.D., PhD, Assoc. Prof. Shalko I.V, PhD, Assoc. Prof. Kit Z.M.
CPC-3 (self-preparation 3)	Drawing up a route for a patient with arterial hypertension, ischemic heart disease, chronic obstructive pulmonary disease, gastroenterological pathology, chronic kidney insufficiency	Processing list of lesson questions. Preparing responses to questions for self-control. Preparation of creative task for the topics.	Kn-1, Kn-2, Kn-3, Kn-4, Kn-1, Kn-3, Kn-4, Kn-5, Kn-6, Kn-12	DM, Prof. Nadashkevich, DPh, Assoc. Prof. Parashuk B.M., , DPh, Assoc. Prof. Shalko I.V, , DPh, Assoc. Prof. Kit Z.M.
<i>It is necessary to present a system of organization of classes, the use of interactive methods.</i>				
<i>Learning technologies used for skills</i>				
8. Verification of learning outcomes				
Current control				
<p>is carried out during training sessions and aims to check the assimilation of students of current 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)</p>				
Learning outcome code	Code type to borrow	Method of verifying learning outcomes	Enrollment criteria	

		The field defines the methods and technologies of knowledge assessment students, 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.	For enrollment study of the discipline is necessary: - Full compliance with requirements of the curriculum; - correct solution of tasks both during classroom work and those that offered for independent study.
Final control			
General system of evaluation	Participation in the work during the semester/differentiated test- 60%/40% on a 200-point scale		
Scales of 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 recieved at least points for current performance		
Type of final control	Methods of final control		Criteria enrollment
Залік	All topics listed on must be credited by current control. Scores from the 4-point scale are converted into points on multi-point (200-point) scale in accordance with the Regulations “Evaluation criteria,rules and procedures results of students educational activities”		<i>The largestt quantity of points - 200. The lowest quantity of points - 120.</i>
Examination criteria/differentiated test			
<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>9. Course policy</p>	
<p><i>Indicates the policies of academic integrity, specific policies of the program that have value of the course.</i></p> <p>Academic Integrity: <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>10. LITERATURE</p>	
<p>Obligate</p> <ol style="list-style-type: none"> 1. Bratton's Family Medicine. Board review. 5-th Edition / R.A. Baldor. – LWW, 2019. – 376 p. 2. Case Files of Family Medicine. 3-d Edition / E. Toy, D. Briscoe, B.Britton, J.J. Heidelbauch. – McGrawHill Professional. – 2016. – 691 p. 3. Harrison's Principles of Internal Medicine, Twentieth Edition (Vol.1 & Vol.2) 20th Edition/ Jameson J.L., Fauci A., Rasper D., et al.) .- 2020.– 423p. 4. Pocket Primary Care. 1-st Edition / M.M.Kiefer, C.R. Chong. – LWW, 2014. – 374 p. 5. Primary Care Medicine. 6-th Edition / A.H. Coroll, A.G. Mulley. – LWW, 2013. – 1613. 6. Textbook of Family Medicine. 9-th Edition / R.E. Rakel, D.P. Rakel. – Saunders, 2015. – 1215 p. 	
<p>11. Equipment, logistics and software of the discipline/course</p>	
<p>12. Additional information</p>	
<p>All the information that is important to the student, which is not included in a standart description, for example, contact details of the person responsible for the educational process at the department. Links to website/department pages, etc.</p>	

Syllable Stacker

PhD, Assoc. Prof

Parashuk B.M

The chief of the department
MD, Prof.

Nadashkevich,