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State Higher Education University
"Uzhhorod National University"

Family Medicine and Outpatient Care Department

"APPROVED"
Dean of Medical Faculty № 2
prof. Kaliy V.V.
_____ 202___

**Syllabus for the educational discipline**
***"Family medicine"***

14.01.14 - ***Family medicine***
(Code and name of the course)

direction of training 1201, Medicine
(Code and name of the field of study)

specialty 7.12.010001, "Medical Work"
(Code name and specialty)

specialization _____
(Name of specialization)

institute, faculty, department Medical Faculty №2, Department of Family Medicine and Outpatient Care
(Name of institution, faculty, department)

2021-2022 academic year

The syllabus in Family medicine for the 6th year students
(Name of the course)
in the direction of training "Medicine", specialty "Medical Work", – P.10.

Pavlo Kolesnyk MD PhD, Head of the department of Family Medicine and Outpatient Care Associate Professor

Developers: (Indicate the authors, their positions, academic degrees and titles)

The syllabus was approved at a meeting of Family Medicine and Outpatient Care
Protocol dated 02.09.2021 number 1

Head of Department

_____ (Kolesnyk P.O..)
(Signature) (surname and initials)

## 1. Description of the course

<table>
<tr><td rowspan="2">Index name</td><td rowspan="2">Industry knowledge, direction of training, education level</td><td colspan="2">Characteristics of the course</td></tr>
<tr><td>full-time education</td><td>correspondence</td></tr>
<tr><td rowspan="2">Credits – 3</td><td>Discipline:<br>14.01.14, Family medicine<br>(Code name)</td><td colspan="2" rowspan="2">Regulatory</td></tr>
<tr><td>Direction of preparation:<br>1201, Medicine<br>(Code name)</td></tr>
<tr><td>Modules - 1</td><td rowspan="5">Speciality (professional direction):<br>7.12.010001, Medicine</td><td colspan="2">Year of training:</td></tr>
<tr><td>Content modules -3</td><td>6</td><td>th</td></tr>
<tr><td>Individual & research task<br><u>Patient curation with medical history writing</u><br>(Title)</td><td colspan="2">Semester</td></tr>
<tr><td rowspan="2">Total number of hours 90</td><td>11 th</td><td>th</td></tr>
<tr><td colspan="2">Lectures</td></tr>
<tr><td rowspan="10">Weekly hours for full-time study:<br>classroom - 2<br>self-learning – 1.3</td><td rowspan="10">Educational qualification:<br>Expert</td><td>0 hours.</td><td>h.</td></tr>
<tr><td colspan="2">Practical, seminar</td></tr>
<tr><td>60 hours.</td><td>h.</td></tr>
<tr><td colspan="2">Laboratory</td></tr>
<tr><td>0 year.</td><td>h.</td></tr>
<tr><td colspan="2">Individual work</td></tr>
<tr><td>30 h.</td><td>h.</td></tr>
<tr><td colspan="2">Individual task: 15 h.</td></tr>
<tr><td colspan="2">Type of control: the final module control</td></tr>
</table>

Note.
The ratio of hours of classes to separate and individual work is:
for full-time education – 66.6% : 33.3%
for distance learning -

## 2. The purpose and objectives of the course

### The ultimate goals of the module

Based on the knowledge acquired in previous years according to the educational qualification characteristics of the doctor (EQC) student after the module 1 should know to:

- Primary Medical Care in Ukraine and Different Countries. Principle of Family Medicine, Primary Care and Family Medicine Management. Definitions of Family Medicine, Structure, Role of Family Medicine in Medical Care, Epidemiology, Principles of Family Medicine, WONCA Tree.
- Management of Family Medicine Clinic equipment and Office of the Doctors.

Management of Chronic Disease, Acute Disease, Screening, FMC Equipment.

- Objective Structured Clinical Examination (OSCE) and Clinical Skills Assessment (CSA). Principles of Evidence Based Medicine Patient approach, Physical Examination, Communication Skills, History taking Skills,
- Challenging Patients in Family Medicine,
- Levels of Evidence Based Medicine, Prevalence of Evidence Based Medicine.
- Strategy of Primary Prevention. Motivational interviewing with Risks. Evidence ways of good communication skills,
- Motivational Interviewing of Smokers & Obese patients, Standardize Patient and Group working,
- Video Demonstration of good and bad communication.
- Secondary Prevention Screening. Guide Prevention Service. Evidence based screening, Planning, Screening for different age-gender groups, Methods of screening.
- Chronic Disease Management in Family Medicine Practice. Hypertension, Diabetes, COPD, Asthma, Ischemic heart disease. Small group projects concerning management of the major chronic diseases in FMC, planning the routine visits, frequency and practical skills
- Evaluation of knowledge of student. Quiz concerning the Above Topics

Students must hold a clinical decision making, screening and management of patients (new or those already being treated) with the following diseases:

- • Diabetes mellitus - 1.
- • Arterial hypertension - 1.
- • Dyspepsia - 1.
- • Obesity - 1.
- Cough
- Fever
- Otitis
- Headache

The educational process must ensure student participation in the conduct of at least 2/3 of hospitalized patients. If you can not get access to patients of any category, students fill the educational history of the disease diagnoses / problems within a category. The need for writing such a history lecturer is determined on the basis of weekly review of relevant data of patients in the ward.

Student after the module 1 should be able to:

- conduct a survey and physical examination of patients with diabetes, AG, Dyspepsia, Obesity, Cough, Fever, Otitis
- Justify the use of major invasive and non-invasive diagnostic methods used in FM
- determine the indications and contraindications for their conduct, complications.
- determine the etiologic and pathogenic factors of major FM diseases.
- identify typical clinical picture of major FM diseases.
- identify different major complications of diabetes mellitus.
- make a plan of survey of patients with major FM disease.
- conduct differential diagnosis, justify and formulate diagnosis of major FM diseases based on data analysis of laboratory and instrumental examination.
- appoint treatment, conduct primary and secondary prevention of major FM diseases.
- diagnose and assist in acute diabetic, HTN, complications.
- measure and interpret blood glucose, blood-work test.

**3. The program of the course**

| No. | Topic: | Contents: |
|---|---|---|
| 1 | Primary Medical Care in Ukraine and Different Countries. Principles of Family Medicine, Primary Care. Family Medicine Management.<br><br>Objective Structured Clinical Examination (OSCE) and Clinical Skills Assessment (CSA). | Definitions of Family Medicine, Structure, Role of Family Medicine in Medical Care, Epidemiology, Principles of Family Medicine.<br><br>Management of Acute Disease: OSCE fish: sore throat. Patient approach, Communication Skills, History taking Skills, Physical Examination, Clinical decision making. |
| 2 | Communication with patients. WONCA tree: Strategy of Primary Prevention. Motivational interviewing patients with Risks | Evidence ways of good communication skills. Motivational Interviewing of Smokers & Obese patients, Standardize Patient and Group working, Promotes health and wellbeing. Longitudinal continuity. Challenging Patients in Family Medicine |
| 3 | Community orientation. Primary and Secondary Prevention. Evidence based Screening. | Evidence based screening, Planning, Screening for different age-gender groups, Methods of EB screening. Knowledge of USPTFS. OSCE: patients of different age and gender to plan screening. |
| 4 | Newborns care. Principles of breastfeeding. | Examination of baby Video Demonstration of good and bad |

| | | |
|---|---|---|
| | | breast attachment. Alarming symptoms, Management of babies at home. OSCE: home visit to the newborn, communication with mother |
| **5** | Comprehensive approach. Primary care management. Integrated management of childhood diseases. | Acute and chronic health problems. Management of the child with sore throat and ear pain<br><br>OSCE: child with cough |
| **6** | Comprehensive approach. Primary care management of patients with pain. | Acute and chronic pain management.<br><br>OSCE: patient with low back pain |
| **7** | Comprehensive approach. Primary care management of patients with COVID-19 | OSCE: COVID-19 triage, video-consultation. |
| **8** | Comprehensive approach, specific problems solving skills. Chronic Disease Management in Family Medicine Practice. | Ischemic heart disease, stroke. Management of dementia in FMC.<br><br>OSCE: migraine. |
| **9** | Specific problems solving skills, holistic modelling, palliative care, dying patient, chronic pain management. | Chronic pain management.<br><br>Communication with palliative patient and his relatives. End of life care. Pressure ulcer care.<br><br>OSCE: end of life care |
| **10** | Evaluation of student's knowledge, skills and changing attitude | Module: video consultations of the OSCE patients .<br>**Module control. Feedback** |

## 4. Structure of the course

| Names of content modules and themes | Number of hours | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Full-time | | | | | | Part-time | | | | | |
| | all | including | | | | | all | including | | | | |
| | | L | PC | LC | IT | IW | | L | PC | LC | IT | IW |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| | | | | | | | | | | | | |
| **Content** | | | | | | | | | | | | |
| Topic 1.Primary Medical Care in Ukraine and Different Countries. Principles of Family Medicine, Primary Care. (OSCE) | 6 | - | 3 | - | - | 3 | | | | | | |
| Topic 2. Communication with patients. Strategy of Primary Prevention. Motivational interviewing patients with Risks | 6 | - | 3 | - | - | 3 | | | | | | |
| Topic 3. Community orientation. Primary and Secondary Prevention. Evidence based Screening. | 6 | - | 3 | - | - | 3 | | | | | | |
| Topic 4. Newborns care. Principles of breastfeeding. | 6 | | 3 | - | - | 3 | | | | | | |
| Topic 5. Comprehensive approach. Primary care management. Integrated management of childhood diseases. | 6 | | 3 | - | - | 3 | | | | | | |
| Topic 6. Comprehensive approach. Primary care management of patients with pain. | 6 | | 3 | - | - | 3 | | | | | | |
| Topic 7. Comprehensive approach. Primary care management of patients with COVID-19 | 6 | | 3 | - | - | 3 | | | | | | |
| Topic 8. Comprehensive | 6 | | 3 | - | - | 3 | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| approach, specific problems solving skills. Chronic Disease Management in Family Medicine Practice. | | | | | | | | | | | | |
| Topic 9.Specific problems solving skills, holistic modelling, palliative care, dying patient, chronic pain management. | 6 | | 3 | - | - | 3 | | | | | | |
| Day 10. Evaluation of student's knowledge, skills and changing attitude | 6 | | | | | | | | | | | |
| **Total for content module** | **24** | | **25,5** | **-** | **-** | **5** | | | | | | |

## 5. Topics of laboratory classes

Laboratory classes for this program are not provided.

## 6. Individual work

| No. | Topic | Number of hours |
|---|---|---|
| 1 | Preparation for the final credit | 5 |
| 2. | Preparation for the practical classes OSCE | 10 |
| | **Total** | **15** |

## 7. Individual tasks

Individual task for the students during the process it is expected that students use additional sources of special literature, issuing particular disease; practice and consolidate patient inspection skills, acquired on practical classes; develop the skill of clinical thinking and applying the knowledge for diagnosis, differential diagnosis, treatment rationale for particular patient; form the skills of correct maintenance of medical records, screening, standardized patients

## 8. Teaching Methods

There are the following teaching methods according to the syllable:

1. Practical classes
2. Individual work of the students
3. Individual tasks for the students

The curriculum of lectures, practical classes and individual work of the students provide the understanding of all the topics inside content modules. Lecture topics describe current issues of corresponding diseases. Lecture course uses maximum didactical tools: multimedia presentations, educational videos, slide shows, themed patients. The lecture and practical course are adjusted in such a mode that lectures precede practical.

1. Practical classes are clinical analysis of the patient and provide:
2. The inspection of the patient with particular disease;

3. Initial diagnosis composing;
4. Additional tests prescription;
5. Differential diagnosis;
6. Treatment prescription;
7. Defining the measures of primary and secondary prophylaxis.
8. Practical classes are held in profiled clinics and consists of 4 parts:
9. Theoretical part mastering
10. Patient's supervision
11. Practical skills practicing
12. 10 OSCE cases

Individual work includes supervision of the patient with medical history writing. During the course of endocrinology learning it is supposed to write 1 medical history.

## 11. Methods of control

The current control is performed on practical classes according to particular goals, interim test is held on the last class of each content module. Objective methods of knowledge and skills assessment are applied, computer testing, situation tasks are preferred.

Final OSCE module control is performed in the end of the module.

Student's rating is made of multipoint scale and has descriptions according to the ECTS system and traditional system accepted in Ukraine.

## 12. The distribution of points that students can get

<table>
<tr><td colspan="6">Routine testing and individual work</td><td rowspan="2">Total</td></tr>
<tr><td colspan="6">Content module 1</td></tr>
<tr><td>T1</td><td>T2+3</td><td>T4</td><td>T5+6</td><td>T7</td><td>Interim test</td><td rowspan="2">50</td></tr>
<tr><td>8</td><td>8</td><td>8</td><td>8</td><td>8</td><td>10</td></tr>
<tr><td colspan="7">Content module 2</td></tr>
<tr><td colspan="2">T8+9</td><td>T10</td><td colspan="2">T11</td><td>T12</td><td>Interim test</td><td rowspan="2">37</td></tr>
<tr><td colspan="2">8</td><td>8</td><td colspan="2">8</td><td>8</td><td>5</td></tr>
<tr><td colspan="7">Content module 3</td></tr>
<tr><td>T13</td><td>T14+15</td><td>T16</td><td>T17</td><td>T18</td><td>Interim test</td><td rowspan="2">45</td></tr>
<tr><td>8</td><td>8</td><td>8</td><td>8</td><td>8</td><td>5</td></tr>
<tr><td colspan="6">Individual task</td><td>8</td></tr>
<tr><td colspan="6">The final module control</td><td>60</td></tr>
<tr><td colspan="6">Total</td><td>200</td></tr>
</table>

## Grading scale: national and ECTS

<table>
<tr><td rowspan="2">Total points for all the educational activities</td><td rowspan="2">Rating ECTS</td><td colspan="2">Evaluation on the national scale</td></tr>
<tr><td>for examination, course project (work) practice</td><td>to offset</td></tr>
<tr><td>180 - 200</td><td>A</td><td>Excellent</td><td rowspan="5">Passed</td></tr>
<tr><td>165 - 179</td><td>B</td><td rowspan="2">Good</td></tr>
<tr><td>148 - 164</td><td>C</td></tr>
<tr><td>128 - 147</td><td>D</td><td rowspan="2">Satisfactory</td></tr>
<tr><td>120 - 127</td><td>E</td></tr>
<tr><td>70 - 119</td><td>FX</td><td>Unsatisfactory with the possibility of re-drafting</td><td>not credited with the possibility of re-drafting</td></tr>
</table>

| | | | |
|---|---|---|---|
| 0 - 69 | **F** | Unsatisfactory with obligatory repeated study of discipline | not credited with a mandatory re-learning course |

Students' theoretical knowledge and practical skills assessment criteria:

Score is "excellent" (180-200 points, A) for student who: - comprehensively and deeply possesses educational and program material; - can independently carry out the tasks provided by the program, use the acquired knowledge and skills in non-standard situations; - mastered the basic and familiar with the additional literature which are recommended by the program; - he has mastered the interconnection of the basic concepts of discipline and is aware of their importance for the profession he acquires; - freely expresses own thoughts, independently evaluates various life events and facts, revealing a personal position; - independently defines separate goals of own educational activity, has shown creative abilities and uses them in studying educational and program material, showed a tendency to scientific work.

The score is "good" (165-179 points, B) - for student who: - fully mastered educational and program material, including applying it in practice, has systemic knowledge sufficiently in accordance with the educational- Program material, it is reasonably used in different situations; - Has the ability to independently seek information, as well as to analyze, formulate and solve problems of professional orientation; - during the answer made some inaccuracies, which themselves corrected, finds convincing arguments to confirm the studied material;

A "good" score (148-164 points, C) deserves a student who: - in general, has mastered the curriculum, but answers the exam with a certain number of mistakes; - is able to compare, generalize, systematize information under the direction of a teacher, as a whole independently apply in practice, control his own activities; - mastered educational and program material, successfully completed tasks envisaged by the program, mastered the main literature recommended by the program;

"Satisfactory" (128-147 points, D) for student who: - knows the main curriculum material to the extent necessary for further study and use in the future profession; - does a good job, but with a lot of errors; - familiar with the main literature recommended by the program; - allows for classes or exam errors in the execution of tasks, but under the guidance of a teacher finds ways to eliminate them.

A "satisfactory" rating (120-127 points, E) - a student deserves to be: - possesses the basic educational and programmed material to the extent necessary for further study and use in the future profession, and the fulfillment of tasks satisfies the minimum criteria. Knowledge has a reproductive character.

"Unsatisfactory" (70-119 points, FX) - is presented to the student, who: has revealed significant gaps in knowledge of the main program material, made fundamental mistakes in the implementation of the tasks provided by the program.

Score is "unsatisfactory" (0-69 points, F) - for student who: - know the educational material only at the level of elementary recognition and reproduction of individual facts or does not possess at all; - admits gross mistakes in the execution of the tasks provided by the program; - can not continue education and is not ready for professional work after graduation without re-studying this discipline.

## 13. Information Resources

Pocket Medicine -- Marc. S. Sebastin
Pocket Primary Care – Meghan M. Kiler, Curtis R. Chong
Tarascon Pocket Pharmacopoeia
The Guide to Clinical Preventive Services
Mastering the OSCE and CSA – Jo-Ann Reteguiz, Beverly Conel- Avendaro.
Toronto notes Comprehensive medical reference and review for the Medical Council of Canada Qualifying Exam Part I and the United States Medical Licensing Exam Step 2, 32nd Edition. Editors-in-Chief: Zamir Merali and Jason D. Woodfine
USPTFS guidelines 2017