

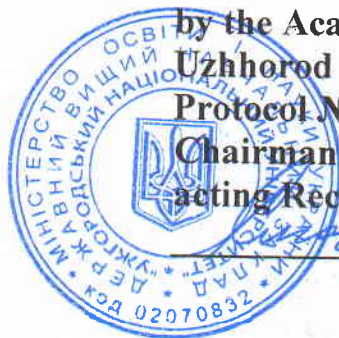
**MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE  
STATE HIGHER EDUCATIONAL INSTITUTION  
“Uzhhorod National University”**

**APPROVED**

**by the Academic Council of  
Uzhhorod National University**

**Protocol № 4 from 13.06. 2021**

**Chairman of the Academic Council,  
acting Rector**



**Volodymyr. I. Smolanka**

**EDUCATIONAL and PROFESSIONAL PROGRAM**

**“General Medicine”**

**of the second (Master’s) level of higher education**

**in the specialty**

**222 Medicine**

**field of knowledge**

**22 Healthcare**

**Qualification:**

**Master of Medicine, doctor**

## **PREFACE**

INTRODUCED as a revised version of the educational and professional program in the specialty 222 “Medicine” of the second level of higher education, approved in 2016.

### **DEVELOPERS:**

Head of the working group – Dean of the Medical Faculty, Doctor of Medical Sciences, Professor Oleksandr O. Boldizhar;

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Head of the Department of Social Medicine and Hygiene of the Medical Faculty, Doctor of Medical Sciences, Professor Ivan M. Rohach;

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Head of the Department of Pharmaceutical Disciplines of the Medical Faculty, Deputy Dean of the Medical Faculty, Candidate of Medical Sciences, Associate Professor Oleh T. Deviniak

## 1. Profile of the Educational Program in the Specialty 222 “Medicine”

<b>1 – General Information</b>	
Full name of the higher educational institution and the structural unit	State Higher Educational Institution “Uzhhorod National University”
Educational level and qualification in the source language	Educational level – Master Educational qualification – Master of Medicine Professional qualification – Doctor
Official name of the educational program	General Medicine
Type of the diploma and the scope of the educational program	Master’s Degree Diploma, single, 360 ECTS credits, training period 5 years and 10 months
Accreditation availability	Certificate of the specialty accreditation НД №0791826
Cycle / level	National Qualifications Framework of Ukraine – 7 level, FQ-EHEA – second cycle, EQF-LLL - 7 level
Prerequisites	Admission requirements are determined by the Rules of Admission to the State Higher Educational Institution “Uzhhorod National University”
Language(s) of instruction	Ukrainian, English
Period of validity of the educational program	The period of validity of the educational program – permanently until replaced by a new one.
Internet address of the educational program description permanent placement	<a href="https://www.uzhnu.edu.ua/uk/infocentre/15068">https://www.uzhnu.edu.ua/uk/infocentre/15068</a>
<b>2 - The Aim of the Educational Program</b>	
The educational program aims at providing academic training in basic and clinical biomedical sciences as well as preparing graduates for the professional activity of a doctor in the relevant primary position by acquiring general and special competencies, the scope of which is at least described by certain lists of syndromes and symptoms of diseases, emergencies, physiological conditions and diseases that require special tactics of patient management; laboratory and instrumental research, medical manipulations; issues of labour, forensic and military expertise.	
<b>3 - Characteristics of the Educational Program</b>	
Subject area (field of knowledge, specialty, specialization)	Public health protection; prevention, diagnosis and treatment of human diseases. Theory and practice of medicine (50:50) Field of knowledge – Healthcare. Specialty – Medicine
Orientation of the educational program	An application program with a professional focus on the theory and practice of medicine
The main focus of the educational program and specialization	General higher education in the field of knowledge “Healthcare”, specialty “Medicine”. Key words: Master’s degree, medicine, healthcare, higher education
Features of the program	The program is implemented in small groups with a combination of practical and theoretical training. The program is also taught in English
<b>4 - Meeting the employment and further training requirements</b>	
Meeting the employment requirements	The specialist is prepared to work according to ДК 009-2010: Section Q. Healthcare and providing social assistance services Part 86.1. Activities of healthcare facilities Group 86.10 Activities of healthcare facilities Class 86.21 General medical practice

	<p>Class 86.90 Other health care activities</p> <p>After graduating from the educational-professional program of the Master's degree in "Medicine", the specialist is able to perform professional work:</p> <p>intern (code КП - 3229);</p> <p>trainee doctor (code КП - 3221);</p> <p>resident doctor (code КП - XXX).</p>
Further training	<p>For further professional training the specialist has the right to enter postgraduate education programs (internship, residency), where training is carried out according to educational training programs of a doctor of a certain specialty (list approved by the order of the Ministry of Healthcare of Ukraine from 23.02.2005 №81), and can enter the program for the degree of Doctor of Philosophy.</p> <p>In the future, specialists can undergo retraining and acquire another medical specialty as well as perform relevant professional work.</p>
<b>5 - Teaching and Assessment</b>	
Teaching and studying	<p>The main approach to training a medical professional is to conduct training sessions in the forms of lectures, practical classes, seminars and laboratory classes, consultations, practical training and internships, self-study and individual work as well as academic performance control.</p>
Assessment	<p>Assessment of knowledge of higher education students is carried out in accordance with the Regulations on the organization of the educational process at the State Higher Educational Institution "Uzhhorod National University"</p> <p><a href="https://www.uzhnu.edu.ua/uk/infocentre/get/5951">https://www.uzhnu.edu.ua/uk/infocentre/get/5951</a> with Amendments to the Regulations on the organization of the educational process at the State Higher Educational Institution "Uzhhorod National University" <a href="https://www.uzhnu.edu.ua/uk/infocentre/get/11062">https://www.uzhnu.edu.ua/uk/infocentre/get/11062</a>,</p> <p>Regulations on the procedure and methods of conducting semester (course) exams and tests at Uzhhorod National University <a href="https://www.uzhnu.edu.ua/uk/infocentre/get/5952">https://www.uzhnu.edu.ua/uk/infocentre/get/5952</a>,</p> <p>Regulations on attestation of higher education applicants and examination board at the State Higher Educational Institution "Uzhhorod National University" <a href="https://www.uzhnu.edu.ua/uk/infocentre/get/11070">https://www.uzhnu.edu.ua/uk/infocentre/get/11070</a> in compliance with the norms of academic integrity in accordance with the Regulations on Academic Integrity at Uzhhorod National University <a href="https://www.uzhnu.edu.ua/uk/infocentre/get/12223">https://www.uzhnu.edu.ua/uk/infocentre/get/12223</a>.</p> <p>Transferring of credits is based on the Regulations on recognition (re-crediting) of ECTS credits for participants of academic mobility programs at the State Higher Educational Institution "Uzhhorod National University" <a href="https://www.uzhnu.edu.ua/uk/infocentre/get/20131">https://www.uzhnu.edu.ua/uk/infocentre/get/20131</a>.</p> <p>The assessment procedure of applicants for higher education also takes into account the results of non-formal education in accordance with the Regulations on the procedure for recognition at the State Higher Educational Institution "Uzhhorod National University" of learning outcomes obtained in non-formal education <a href="https://www.uzhnu.edu.ua/uk/infocentre/get/22966">https://www.uzhnu.edu.ua/uk/infocentre/get/22966</a>.</p> <p>There is a clear procedure for reviewing appeals of higher education seekers, which is described in the Regulations on the application of measures to resolve conflicts and disputes in the activities of</p>

	<p>employees and higher education seekers at the State Higher Educational Institution “Uzhhorod National University” <a href="https://www.uzhnu.edu.ua/uk/infocentre/get/22964">https://www.uzhnu.edu.ua/uk/infocentre/get/22964</a> and in the Regulations on the procedure for appealing the results (appeal) of assessment at the State Higher Educational Institution “Uzhhorod National University” <a href="https://www.uzhnu.edu.ua/uk/infocentre/get/22967">https://www.uzhnu.edu.ua/uk/infocentre/get/22967</a>.</p> <p>The current assessment of the level of mastering a topic is carried out at each practical class. The rating score is formed on the basis of current assessments and the results of module tests. The final grade for the discipline can be equal to the rating score or set based on the results of the credit or exam. If a student has 100 or more hours of unfinished practical and laboratory classes, it is considered as a failure to comply with the individual curriculum, which is the grounds for expulsion.</p> <p>Attestation of graduates consists of the Unified State Qualification Exam, which is conducted in two stages, as well as a practice-oriented exam. At the end of the third year of study, students take the first stage of the Unified State Qualification Exam, which consists of the state integrated test exam STEP-1 (evaluates the level of mastery of basic pharmaceutical disciplines) and English for professional purposes.</p> <p>At the end of the fifth year of study, graduates take the second stage of the Unified State Qualification Exam – the state standardized test exam STEP-2 and an objective structured practical exam.</p>
<b>6 – Program Competencies</b>	
Integrated competency	The ability to solve typical and complex specialized problems and practical problems in a professional health care activity, or in a training process that involves carrying out research and / or implementing innovation, and is characterized by the complexity and uncertainty of conditions and requirements.
General competencies (GC)	<p>GC 1. The ability to think abstractly, analyse and synthesize.</p> <p>GC 2. The ability to learn and master modern knowledge.</p> <p>GC 3. The ability to apply knowledge in practical situations.</p> <p>GC 4. Knowledge and understanding of the subject area and understanding of professional activity.</p> <p>GC 5. The ability to adapt to and act in a new situation.</p> <p>GC 6. The ability to make reasoned decisions.</p> <p>GC 7. The ability to work in a team.</p> <p>GC 8. Interpersonal skills.</p> <p>GC 9. The ability to communicate in the state language both orally and in writing.</p> <p>GC 10. The ability to communicate in English.</p> <p>GC 11. Information and communication technology skills.</p> <p>GC 12. Determination and persistence to the given tasks and responsibilities.</p> <p>GC 13. The ability to act socially responsibly and consciously.</p> <p>GC 14. The desire to preserve the environment.</p> <p>GC 15. The ability to act on the basis of ethical considerations (motives).</p>
Professional competencies of the specialty (PC)	<p>PC 1. The ability to establish a preliminary clinical diagnosis of the disease</p> <p>PC 2. Skills of collecting information about the patient</p>

	<p>PC 3. The ability to evaluate the results of laboratory and instrumental research</p> <p>PC 4. The ability to determine the principles and nature of disease treatment</p> <p>PC 5. The ability to diagnose emergencies</p> <p>PC 6. The ability to carry out medical and evacuation measures</p> <p>PC 7. The ability to determine the tactics of providing emergency assistance</p> <p>PC 8. Emergency care skills</p> <p>PC 9. Skills of performing medical manipulations</p> <p>PC 10. The ability to determine the required mode of work and rest in the treatment of diseases</p> <p>PC 11. The ability to determine therapeutic nutrition in the treatment of diseases</p> <p>PC 12. The ability to determine the tactics of physiological childbirth and the postpartum period</p> <p>PC 13. The ability to carry out sanitary-hygienic and preventive measures</p> <p>PC 14. The ability to plan preventive and anti-epidemic measures for infectious diseases</p> <p>PC 15. The ability to carry out preventive and anti-epidemic measures for infectious diseases</p> <p>PC 16. The ability to determine the surveillance of population subject to dispensary supervision</p> <p>PC 17. The ability to conduct a functional capacity evaluation</p> <p>PC 18. The ability to maintain medical records</p> <p>PC 19. The ability to process state, social, economic and medical information</p> <p>PC 20. The ability to conduct activities for the organization and integration of medical care</p> <p>PC 21. The ability to conduct epidemiological and medical-statistical studies of public health</p> <p>PC 22. The ability to assess the impact of the environment on the health of the population (individual health, family health, population health)</p> <p>PC 23. The ability to assess the impact of socio-economic and biological determinants on the health of the individual, family, population</p> <p>PC 24. The ability to analyse the activities of a physician, unit, health care facility</p> <p>PC 25. The ability to take measures to ensure the quality and safety of medical care</p> <p>PC 26. The ability to take measures in order to improve the efficiency of the usage of medical resources</p> <p>PC 27. The ability to conduct marketing of medical services</p>
7 – Program Learning Outcomes	
	<p>PLO 1. Collect data on patient complaints, medical history, life history, conduct and evaluate the results of physical examination.</p> <p>PLO 2. Evaluate information on the diagnosis, using a standard procedure based on the results of laboratory and instrumental investigations.</p> <p>PLO 3. Highlight the leading clinical symptom or syndrome. Establish the most probable or syndromic diagnosis of the disease. Assign laboratory and / or instrumental examination of the patient.</p>

Carry out differential diagnosis of diseases. Establish a preliminary and clinical diagnosis.

PLO 4. Determine the necessary mode of work and rest in the treatment of the disease.

PLO 5. Determine the necessary medical nutrition in the treatment of the disease.

PLO 6. Determine the principles and nature of the disease treatment (conservative, operative).

PLO 7. Determine the tactics of providing emergency medical care on the basis of a diagnosis of emergency.

PLO 8. Provide emergency medical care on the basis of a diagnosis of emergency.

PLO 9. Organize medical and evacuation measures among the population and servicemen, taking into account the existing system of medical and evacuation support.

PLO 10. Determine the tactics of physiological pregnancy management, physiological childbirth and the postpartum period. Advise on family planning and methods of contraceptive selection.

PLO 11. Perform medical manipulations.

PLO 12. Form dispensary groups of patients among the assigned contingent of the population; groups of healthy people subject to dispensary supervision. Implement a system of anti-epidemic and preventive measures within the primary health care. Implement a system of primary prevention measures within the primary health care. Organize secondary and tertiary prevention measures among the assigned contingent of the population.

PLO 13. Plan measures to prevent the spread of infectious diseases. Carry out detection and early diagnosis of infectious diseases; primary anti-epidemic measures in the centre of an infectious disease. Identify risk groups, risk areas, time of risk, risk factors and carry out epidemiological analysis of infectious diseases incidence rate among population.

PLO 14. Determine the tactics of examination and secondary prevention of patients, subject to dispensary supervision; tactics of examination and primary prevention of healthy individuals subject to dispensary supervision; calculate and prescribe the necessary food for children in the first year of life.

PLO 15. Determine the presence and degree of physical dysfunction, type, degree and duration of disability with the execution of relevant documents.

PLO 16. Prepare annual reports on personal work activity; keep medical records of patients and population.

PLO 17. Conduct screening for major non-communicable diseases intelligence; evaluate indicators of disease incidence rate, integrated health indicators; identify risk factors for the occurrence and course of diseases; form risk groups of the population. Determine the source and / or location of the required information depending on its type; receive the necessary information from a specific source; process and analyse the received information.

PLO 18. Identify negative environmental factors; analyse the state of health of a certain contingent; determine the presence of the relationship between the state of the environment and the state of health of a particular contingent; develop preventive measures based on data of the relationship between the state of the environment and

	<p>the state of health of a particular contingent. Carry out analysis of disease incidence of the population, identifying risk groups, risk areas, time of risk, risk factors. Assess the impact of socio-economic and biological determinants on the health of the individual, family, population.</p> <p>PLO 19. Investigate the scope and effectiveness of the doctor, department, health care institution performance; identify defects in the performance and the reasons for their formation. Carry out the selection and use of unified clinical protocols for the provision of medical care, developed on the basis of evidence-based medicine; develop and use local health care protocols. Carry out medical care quality control; identify factors that hinder the improvement of the quality and safety of medical care. Estimate the cost of medical services; substantiate the choice of an adequate method of financing (payment) and the choice of rational forms of medical services organization. Apply methods of economic analysis when choosing methods of diagnosis, prevention, treatment, rehabilitation.</p> <p>PLO 20. Organize the work of medical staff; form rational medical routes of patients; organize interaction with colleagues, organizations and institutions.</p> <p>PLO 21. Form goals and determine the structure of personal activities.</p> <p>PLO 22. Adhere to a healthy lifestyle, use the techniques of self-regulation and self-control.</p> <p>PLO 23. Apply knowledge of basic medical sciences to perform professional tasks in the prevention, diagnosis and treatment of diseases and patient management.</p> <p>PLO 24. Adhere to the requirements of ethics, bioethics and deontology in professional activity.</p> <p>PLO 25. Organize the necessary level of individual security (personal security and security of individuals cared for) in case of typical dangerous situations in the individual field of activity.</p>
<b>8 – Resource Support for the Program Implementation</b>	
Staffing	All scientific and pedagogical staff who conduct lectures on disciplines of the educational program have a scientific degree. Most teachers of clinical disciplines actively carry out medical and diagnostic work and have practical experience. The flexible elective part of the curriculum allows for elective disciplines conducted by foreign teachers.
Logistics	The educational program is provided with the necessary medical mannequins, phantoms and models, diagnostic tools and devices. On the basis of the concluded agreements the modern medical equipment and devices of municipal and private medical and preventive establishments of Uzhhorod are used at training.
Information and educational-methodical support	Didactic materials, practical cases and situational tasks, tests in the disciplines of this educational program are available to students through the e-learning system of the university (e-learn). The university has access to international scientometric databases Web of Science and Scopus.
<b>9 – Academic Mobility</b>	
National credit mobility	Due to the fact that the educational program mainly corresponds to the standard curriculum of the Ministry of Healthcare of Ukraine, students have the opportunity to freely obtain part of the credits in



	<p>other medical institutions that follow the standard curriculum. Re-crediting of received credits is based on the Regulation on recognition (re-crediting) of ECTS credits for participants of academic mobility programs at the State Higher Educational Institution “Uzhhorod National University” <a href="https://www.uzhnu.edu.ua/uk/infocentre/get/20131">https://www.uzhnu.edu.ua/uk/infocentre/get/20131</a>.</p>
International credit mobility	<p>Students have the opportunity to participate in competitive programs of international credit mobility ERASMUS+ and others. Re-crediting of received credits is based on the Regulation on recognition (re-crediting) of ECTS credits for participants of academic mobility programs at the State Higher Educational Institution “Uzhhorod National University” <a href="https://www.uzhnu.edu.ua/uk/infocentre/get/20131">https://www.uzhnu.edu.ua/uk/infocentre/get/20131</a>. The procedure for assessing applicants for higher education also takes into account the results of non-formal education in accordance with the Regulations on the procedure for recognition at the State Higher Educational Institution “Uzhhorod National University” of learning outcomes obtained in non-formal education <a href="https://www.uzhnu.edu.ua/uk/infocentre/get/22966">https://www.uzhnu.edu.ua/uk/infocentre/get/22966</a>.</p>
Training of foreign applicants for higher education	<p>The educational program provides for the study of foreign students in Ukrainian or English in accordance with the law.</p>

## 2. List of Educational and Professional Program Components and their Logical Sequence

### 2.1. List of the Educational and Professional Program Components for Domestic Students

Code	Components of the Educational Program (educational subjects, course projects (course papers)) practice, qualifying paper)	Number of Credits	Form of Final Control
1	2	3	4
<b>Compulsory Components of the Educational Program</b>			
<i>General Training</i>			
CC 1.	English / Ukrainian Language Basic Course (for foreign applicants who study in English)	3	Credit
CC 2.	Ukrainian language for professional purposes / Ukrainian as a foreign language (for all foreign applicants)	3	Credit
CC 3.	Latin language and medical terminology	4	Credit
CC 4.	Occupational safety in the field, life safety and civil protection	3	Credit
	<i>Total</i>	<i>13,0</i>	
<i>Professional Training</i>			
CC 5.	Medical biology	4	Exam
CC 6.	Medical and biological physics	4	Credit
CC 7.	Medical chemistry	4	Credit
CC 8.	Bioorganic chemistry	3	Credit
CC 9.	Biochemistry	6,5	Exam
CC 10.	Human anatomy	13,5	Exam
CC 11.	Histology, cytology and embryology	10	Exam
CC 12.	Physiology	9,5	Exam
CC 13.	Microbiology, virology and immunology	8,5	Exam
CC 14.	Pathomorphology	6	Exam
CC 15.	Pathophysiology	6	Exam
CC 16.	Pharmacology	6	Exam
CC 17.	Propaedeutics of internal medicine	5	Exam
CC 18.	Hygiene and ecology	5	Exam
CC 19.	Propaedeutics of paediatrics	5	Credit
CC 20.	General surgery (with clinical anatomy and operative surgery)	8	Exam
CC 21.	Patient care (practice)	3	Credit
CC 22.	Nursing practice	3	Credit
CC 23.	Radiology	4	Credit
CC 24.	Internal medicine, including endocrinology, medical genetics	8	Exam
CC 25.	Internal Medicine II, including clinical pharmacology, clinical immunology and allergology, occupational diseases	10	Exam
CC 26.	Internal Medicine III	13,5	Credit
CC 27.	Paediatrics	4,5	Exam
CC 28.	Paediatrics II with children's infectious diseases	11	Credit, Exam

CC 29.	Surgery	4,5	Exam
CC 30.	Surgery II, including paediatric surgery, neurosurgery	14,5	Credit, Exam
CC 31.	Obstetrics and gynaecology	11,5	Exam
CC 32.	Social medicine, public health	6	Exam
CC 33.	Social medicine, public health II with hygiene	3	Credit
CC 34.	Urology	3	Credit
CC 35.	Otolaryngology	3	Credit
CC 36.	Ophthalmology	3	Credit
CC 37.	Neurology	4	Credit
CC 38.	Medical psychology	3	Credit
CC 39.	Psychiatry, narcology	3	Credit
CC 40.	Dermatology, venereology	3	Credit
CC 41.	Physical rehabilitation, sports medicine	3	Credit
CC 42.	Forensic medicine. Medical law of Ukraine	3	Credit
CC 43.	Infectious diseases and tuberculosis	5,5	Credit
CC 44.	Infectious diseases II	3	Credit
CC 45.	Epidemiology and principles of evidence-based medicine	3	Credit
CC 46.	Oncology and radiation medicine	4	Credit
CC 47.	Traumatology and orthopaedics	3	Credit
CC 48.	Anaesthesiology and intensive care	3	Credit
CC 49.	Urgent and emergency medical care	3	Credit
CC 50.	General practice (family medicine)	3	Credit
	Attestation	1	
	<i>Total</i>	<i>257,0</i>	
The total volume of compulsory components:		<i>270,0</i>	
Elective Components of the Educational Program*			
EC 1.	Philosophy / Civic education / Culturology / Basics of scientific research	3	Credit
EC 2.	History and culture of Ukraine / History and culture of the modern world / Anthropology	3	Credit
EC 3.	Elective courses for the 1 <sup>st</sup> year of study	6	Credits
EC 4.	Foreign language for medical purposes (1 <sup>st</sup> year)	4	Credit
EC 5.	Foreign language for medical purposes (2 <sup>nd</sup> year)	6	Credit
EC 6.	Elective courses for the 2 <sup>nd</sup> year of study	12	Credits
EC 7.	Foreign language for medical purposes (3 <sup>rd</sup> year)	5	Credit
EC 8.	Elective courses for the 3 <sup>rd</sup> year of study	8	Credits
EC 9.	Vocational medical practice (elective course of the 4 <sup>th</sup> year)	6	Credit
EC 10.	Elective courses for the 4 <sup>th</sup> year of study	6	Credits
EC 11.	Vocational medical practice (elective course of the 5 <sup>th</sup> year)	6	Credit
EC 12.	Elective courses for the 5 <sup>th</sup> year of study	7	Credits
EC 13.	Elective cycles for the 6 <sup>th</sup> year of study	15	Credits
EC 14.	Elective courses for the 6 <sup>th</sup> year of study	3	Credit
Total volume of elective components:		<i>90,0</i>	
<b>TOTAL VOLUME OF THE EDUCATIONAL PROGRAM:</b>		<b><i>360,0</i></b>	

\*The list of elective courses offered to students is updated and changed annually based on the suggestions of teachers in account to previous developments, best practices and in-depth specialization.

## 2.2 Структурно-логічна схема ОП

1 курс	2 курс	3 курс	4 курс	5 курс	6 курс
Ukrainian Language for Professional Purposes					
Public Education / History and Culture of Ukraine					
English language for Professional Purposes					
Latin Language and Medical Terminology					
Labour Protection, Life Safety, Civil Defence					
Foreign Language for Medical Purposes (Elective Course)	Foreign Language for Medical Purposes (Elective Course)	Foreign Language for Medical Purposes (Elective Course)			
Elective Course (Socio-Humanitarian Discipline)		<b>Social Medicine, Public Health</b>		Epidemiology and Principles of Evidence-based Medicine	<b>Social Medicine, Public Health, II Hygiene</b>
	<b>Hygiene and Ecology</b>				
<b>Histology, Cytology and Embryology</b>		<b>Pathomorphology</b>	<b>Surgery</b>	<b>Surgery II, including Pediatric Surgery, Neurosurgery</b>	
<b>Human Anatomy</b>		General Surgery with Clinical Anatomy and Operative Surgery	Urology		
			Otorhinolaryngology		
			Ophthalmology		
			Фізична реабілітація, спортивна медицина	Traumatology and Orthopedics	
			Forensic Medicine. Medical law of Ukraine	Emergency and Urgent Medical Care	
	Radiology			Oncology and Radiation Medicine	
				<b>Obstetrics and Gynecology</b>	
Bioorganic Chemistry	<b>Biological Chemistry</b>	<b>Pharmacology</b>		Anesthesiology and intensive care	
Medical chemistry	<b>Physiology</b>	<b>Pathophysiology</b>	<b>Internal Medicine, including Endocrinology, Medical Genetics</b>	<b>Internal Medicine II, including Clinical Pharmacology, Clinical Immunology and Allergology, Occupational diseases</b>	<b>Internal Medicine III</b>
Medical and biological physics		Propaedeutics of Internal Medicine			
		Propaedeutics of Pediatrics	<b>Pediatrics</b>	<b>Pediatrics II with Children's Infectious Diseases</b>	
		Medical Psychology	Psychiatry, Narcology		
	Patient Care (practice)	Nursing Practice	Clinical clerkship		
<b>Medical Biology</b>	<b>Microbiology, Virology and Immunology</b>		Dermatology, Venereology	Infectious Diseases / Phthisiology	<b>Infectious Diseases II</b>
Elective Course	Elective Course	Elective Course	Elective Course	Elective Course	Elective Course

Жирним шрифтом виділено компоненти ЄДКІ

### **3. Form of attestation of applicants for higher education**

Attestation is carried out in the form of the Unified State Qualification Exam (hereinafter - the Qualification Exam), which consists of such components as an integrated test exam "STEP"; objective structured clinical exam; international exam in the basics of medicine; exam in English for professional purposes. The "STEP" exam is conducted in two test stages – "STEP 1" and "STEP 2". At the first stage the level of professional competence in general scientific (fundamental) disciplines is assessed. At the second stage, the level of professional competence in professionally oriented (clinical) disciplines is assessed. The exam in English for professional purposes is held in one stage at the same time as the "STEP" exam. An objective structured clinical exam is conducted in one stage by an examination board formed at a higher educational institution. The international exam in the basics of medicine is conducted in two stages: the international exam in the basics of medicine (fundamental disciplines) and the international exam in the basics of medicine (clinical disciplines). The international exam in the basics of medicine is conducted in cases specified by law.









Program learning outcomes	Educational components																								
	EC27	EC28	EC29	EC30	EC31	EC32	EC33	EC34	EC35	EC36	EC37	EC38	EC39	EC40	EC41	EC42	EC43	EC44	EC45	EC46	EC47	EC48	EC49	EC50	
PLO 1	+	+	+	+	+			+	+	+	+	+	+	+	+		+	+			+	+	+	+	+
PLO 2	+	+	+	+	+			+	+	+	+		+	+	+	+	+	+			+	+	+	+	+
PLO 3	+	+	+	+	+			+	+	+	+		+	+	+	+	+	+			+	+	+	+	+
PLO 4			+	+	+	+	+				+		+		+						+	+			+
PLO 5	+	+																							+
PLO 6	+	+	+	+	+			+	+	+	+			+							+	+			
PLO 7	+	+	+	+	+			+	+	+	+						+	+			+	+	+	+	
PLO 8	+	+	+	+	+			+	+	+	+						+	+			+	+	+	+	
PLO 9						+	+																		
PLO 10					+		+																		+
PLO 11	+	+	+	+	+			+	+	+	+			+	+		+	+			+	+	+	+	+
PLO 12						+	+													+					+
PLO 13						+	+							+			+	+		+					+
PLO 14	+	+	+	+	+	+	+			+	+														+
PLO 15	+	+	+	+	+	+	+	+	+	+	+		+	+	+		+	+			+	+			+
PLO 16	+	+	+	+	+	+	+	+	+	+	+		+	+			+	+		+	+	+	+	+	+
PLO 17	+	+	+	+	+	+	+					+	+	+						+	+	+			+
PLO 18	+	+	+	+	+	+	+					+	+				+	+		+	+	+			+
PLO 19						+	+													+					
PLO 20	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+		+	+	+	+	+	+
PLO 21						+	+																		+
PLO 22						+	+													+					
PLO 23																									
PLO 24	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
PLO 25												+						+	+			+		+	