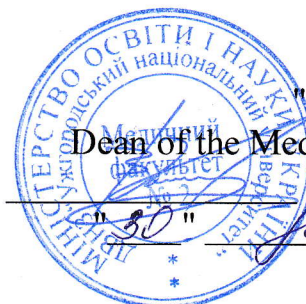


**STATE UNIVERSITY
«UZHHOROD NATIONAL UNIVERSITY»
MEDICAL FACULTY 2
Department of Public Health and Humanitarian Disciplines**



"APPROVED"
Dean of the Medical Faculty 2
Vasyl KALIY
"30" June 2025

SYLLABUS

ES9. GLOBAL HEALTH

Educational level	Second (Master)
Subject area	22 "Health" / I "Health and Social Welfare"
Specialty	222 "Medicine" / I2 "Medicine"
Educational program	"General Medicine"
Discipline status	Elective
The language of instruction	English

Uzhhorod 2025

«Global health» syllabus for higher education seekers of the subject area 22 «Health», specialty 222 «Medicine», educational program «General medicine».

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The syllabus was discussed and approved at the meeting of the Department
of Public Health and Humanitarian Disciplines

Minutes № 10/1 of «13» June 2025

Head of the Department  /Renata POHORILIAK/

Approved by the Scientific-Methodical Commission of the Medical Faculty 2

Minutes № 10 of «16» June 2025

Head of the Scientific-Methodical Commission Nataliia MALETS/ 

1. DESCRIPTION OF THE EDUCATIONAL SUBJECT

Name of indicators	Distribution of academic hours according to the curriculum	
	Full-time study	Extramural form of study
ECTS credits – 4,5	Year of training: 5	
Total number of hours – 135		-
Number of modules – 4	Semester: 9,10	
Weekly academic hours for full-time study: class-room academic hours - 100 student's self-study hours - 35		-
	Lectures: 0	
		-
	Practical classes (seminars): 100	
		-
Type of final control: credit	Laboratory classes: 0	
		-
Form of final control: complex	Self-study: 35	
		-

2. PURPOSE OF THE EDUCATIONAL SUBJECT

The purpose of the academic discipline «**Global Health**» is to provide higher education students with a comprehensive understanding of the global aspects of preserving and strengthening population health, the impact of globalization processes on healthcare systems, and to develop the ability to critically analyze international statistical and analytical data. The discipline is aimed at forming knowledge and skills in applying international experience, evidence-based approaches, and practices to address local public health challenges, as well as at developing competencies in interstate and cross-sectoral cooperation in order to enhance the effectiveness of healthcare systems in the context of global challenges.

According to the educational program, the study of the discipline contributes to the formation of the following competencies in higher education seekers:

General competencies:

- GC 1. Ability to think abstractly, analyze, and synthesize.
- GC 2. Ability to learn and acquire modern knowledge.
- GC 3. Ability to apply knowledge in practical situations.
- GC 4. Knowledge and understanding of the subject area and professional activities.
- GC 5. Ability to adapt and act in new situations.
- GC 6. Ability to make informed decisions.
- GC 9. Ability to communicate in the state language both orally and in writing.
- GC 11. Skills in using information and communication technologies.
- GC 12. Determination and persistence in achieving set tasks and fulfilling obligations.
- GC 13. Ability to act socially responsibly and consciously.
- GC 15. Ability to act based on ethical considerations (motives).

Professional competencies:

- PC 11. The ability to solve medical problems in new or unfamiliar environments having incomplete or limited information, taking into account aspects of social and ethical responsibility.
- PC 15. The ability to conduct a functional capacity evaluation.
- PC 16. The ability to maintain medical records, including those in electronic format.
- PC 21. The ability to clearly and unambiguously convey one's own knowledge, conclusions and arguments on health care issues as well as related issues to specialists and non-specialists, in particular to people who are studying.
- PC 22. The ability to manage healthcare workflows that are complex, unpredictable and require new strategic approaches.
- PC 23. The ability to develop and implement scientific and applied projects in the health care field.
- PC 24. To comply with ethical principles when working with patients and laboratory animals.
- PC 25. To observe professional and academic integrity, bear responsibility for the reliability of the obtained scientific results.

3. PREREQUISITES FOR STUDYING THE EDUCATIONAL SUBJECT

The prerequisites for studying the educational subject «**Current Questions of HIV-infection**» are mastering the following educational subjects (ES) of the educational program (EP):

CC 17	Hygiene and ecology
CC 15	Social medicine

4. EXPECTED LEARNING OUTCOMES

According to the educational program «General Medicine», the study of the educational subjects should ensure the achievement of the following program learning outcomes (PLO) by higher education seekers:

Program learning outcomes	PLO code
To have thorough knowledge of the structure of professional activity. To be able to carry out professional activities that requires knowledge updating and integration. To be responsible for professional development as well as to be able to carry out further professional training with a high level of autonomy.	PLO1
To understand and possess a decent knowledge of fundamental and clinical biomedical sciences, at a level sufficient for solving professional tasks in the field of health care.	PLO2
To have specialized conceptual knowledge, which includes scientific achievements in the field of health care and is the basis for conducting research, critical understanding of problems in the field of medicine as well as related interdisciplinary problems.	PLO3
To assign and analyze additional (mandatory and optional) examination methods (laboratory, functional and/or instrumental) (according to the list 4) of patients with diseases of organs and body systems for carrying out differential diagnosis of diseases	PLO7
To determine the necessary mode of work, rest and nutrition on the basis of the final clinical diagnosis, upholding relevant ethical and legal standards by making a reasoned decision according to existing algorithms and standard schemes.	PLO10

Expected learning outcomes (ELO) that should be achieved by students after mastering the discipline «Current Questions of HIV-infection»:

ELO code	Expected learning outcomes of the discipline	PLO code
ELO 1	The ability to carry out professional activities that require updating and integration of knowledge. Carry out professional development and further professional training with a high level of autonomy. To be able to conduct a clinical examination of the patient - to demonstrate the «technology» of medication. Know how to carry out the stages of examination: complaints of the patient; medical history; life history; objective examination of the patient: examination, palpation, percussion, auscultation, measurement of pulse and blood pressure. Grouping of symptoms into syndromes with the selection of the main one. Systematic, organic, sequence. Structure of clinical diagnosis. Principles of treatment of a sick person. Complexity. Individuality. Continuity. Heredity (staged).	PLO1
ELO 2	Ability to apply knowledge of basic and clinical biomedical sciences to solve the above problems.	PLO2
ELO 3	Have clinical thinking when solving problems in the field of medicine and related interdisciplinary problems.	PLO3
ELO 7	The ability to prescribe and analyze additional (mandatory and optional) examination methods (laboratory, functional and/or instrumental) (according to list 4) of patients with diseases of organs and body systems for differential diagnosis of diseases.	PLO 7
ELO 10	The ability to determine the necessary mode of work, rest and nutrition based on the final clinical diagnosis, observing the relevant ethical and legal norms, by making a reasoned decision according to existing algorithms and standard schemes.	PLO 10

5. DIAGNOSTIC TOOLS AND EVALUATION CRITERIA OF LEARNING OUTCOMES

Means of assessment and methods of demonstrating learning outcomes

Means of assessment and methods of demonstrating learning outcomes in the discipline are:

ELO 1 – oral answer, solving test tasks (oral, written, computer)

ELO 2 – solving test tasks (oral, written, computer)

ELO 3 – solving test tasks (oral, written, computer)

ELO 7 – solving tests, situational tasks, evaluating the results of laboratory tests, analyzing and evaluating the results of instrumental tests and parameters characterizing the functions of the human body

ELO 10 – solving tests, situational tasks, evaluating the results of laboratory tests, analyzing and evaluating the results of instrumental tests and parameters characterizing the functions of the human body

Forms of control and criteria for learning outcomes evaluation

Forms of current control: oral, written

Form of module control: oral, written

Form of final semester control: credit

Distribution of points received by higher education seekers (module 1)

Current assessment and self-study												Module test	Sum
T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	80	200
10,0	10,0	10,0	10,0	10,0	10,0	10,0	10,0	10,0	10,0	10,0	10,0		

T1, T2 ... - topics

Distribution of points received by higher education seekers (module 1)

Current assessment and self-study											Module test	Sum
T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	80	200
11,0	11,0	11,0	11,0	11,0	11,0	11,0	11,0	11,0	11,0	9,0		

T1, T2 ... - topics

Distribution of points received by higher education seekers (module 1)

Current assessment and self-study												Module test	Sum
T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	80	200
10,0	10,0	10,0	10,0	10,0	10,0	10,0	10,0	10,0	10,0	10,0	10,0		

T1, T2 ... - topics

Distribution of points received by higher education seekers (module 1)

Current assessment and self-study											Module test	Sum
T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	80	200
11,0	11,0	11,0	11,0	11,0	11,0	11,0	11,0	11,0	11,0	9,0		

T1, T2 ... - topics

Evaluation of certain types of educational work in the discipline

Type of activity of the higher education seeker	Module 1		Module 2		Module 3		Module 4	
	Number	Maximum number of points (total)	Number	Maximum number of points (total)	Number	Maximum number of points (total)	Number	Maximum number of points (total)
Practical classes (seminars)	12	120	11	120	12	120	11	120
Module test	1	80	1	80	1	80	1	80
Total		200		200		200		200

Criteria of current educational activity evaluation

The grade "*excellent*" (180-200 points) is awarded to students who actively participated in the discussion of the most complicated issues on the studied topic, gave at least 90% correct answers to standardized test tasks, completed written tasks without errors, completed practical tasks and properly presented their results.

The grade "*good*" (148-179 points) is awarded to students who participated in the discussion of the most complicated issues on the studied topic, gave at least 74% correct answers to standardized test tasks, made some minor mistakes in answers to written tasks, completed practical tasks and properly presented their results.

The grade "*satisfactory*" (120-147 points) is awarded to students who participated in the discussion of the most complicated issues on the studied topic, gave at least 60% correct answers to standardized test tasks, made significant mistakes in answers to written tasks, completed practical tasks and properly presented their results.

The grade "*unsatisfactory*" (0-119 points) is awarded to students who did not participate in the discussion of the most complicated issues on the studied topic, gave less than 60% correct answers to standardized test tasks, made gross mistakes in answers to written tasks or did not answer them at all, did not complete practical tasks and did not properly present their results.

Criteria for module test evaluation

A module test is done by completing prepared tasks (test cards) with different cards having the same difficulty level. All students are allowed to complete the module test, regardless of the current assessment's results and the presence of unfulfilled missed practical classes. The period of 1.5 hours is given to complete the entire module test. It is forbidden to use any information sources while completing the module test.

The grade "*excellent*" (180-200 points) is awarded to students who gave at least 90% correct answers to standardized test tasks and completed written tasks without errors.

The grade "*good*" (148-179 points) is awarded to students who gave at least 74% of the correct answers to standardized test tasks and made some minor mistakes in the answers to written tasks.

A student who gave at least 60% of the correct answers to standardized test tasks and made significant mistakes in the answers to written tasks receives the grade "*satisfactory*" (120-147 points).

The grade "*unsatisfactory*" (0-119 points) is awarded to students who gave less than 60% correct answers to standardized test tasks, made gross errors in answers to written tasks, or did not provide answers to the designed written tasks.

Criteria for the final semester control evaluation

The final semester rating is calculated as the arithmetic average of two modules. According to the Regulation on the assessment of students' educational achievements according to the credit-module system, if the final module grade is at least 120 points, then with the consent of the student, it can be counted as the final (semester) grade for the academic discipline. Students who are not satisfied with the final positive grades given by the teacher based on the results of module tests, as well as those who received "*unsatisfactory*" grades and at the same time have no unfulfilled practical (laboratory) classes, have the right to take a credit (exam) in the discipline. Full-time students are admitted to the final (semester) control of a specific discipline in the form of a credit or exam if, based on the results of the module tests, they scored at least 35 per cent of the possible points. Based on the results of the answers given during the exam/credit, a grade is awarded according to a 200-point scale. Regardless of whether the student takes the exam (credit) because their final module grade is unsatisfactory (70-119 points) or to increase the positive grade, the teacher gives the student a grade based solely on the level of their knowledge, demonstrated during the exam (credit), that is, based on 200 points, but the final (semester) grade cannot be lower than the final module grade.

Criteria for the module final semester control evaluation

- the grade "*excellent*" (180-200 points, A) is awarded to students who: have comprehensive, systematic, and deep knowledge of educational and syllabus material; are able to independently perform the tasks prescribed by the syllabus, apply the acquired knowledge and skills in non-standard situations; learned the basic and familiarized themselves with the additional literature recommended by the program; mastered the interrelationship of the main concepts of the discipline and are aware of their importance for the profession they acquire; freely express their own opinions, independently evaluate various life phenomena and facts, revealing their personal position; independently determine the individual goals of their own educational activity, revealed creative abilities and used them when studying the syllabus material, as well as demonstrated interest to scientific work.
- grade "*good*" (164-179 points, B) is awarded to students who: have comprehensive, systematic, and deep knowledge of educational and syllabus material, including applying it in practice, have sufficient systematic knowledge in accordance with the syllabus material, apply it reasonably in different situations; have the ability to independently search for information, as well as to analyze, set and solve professionally oriented problems; while answering the exam/credit questions they might have some inaccuracies, with correcting those themselves. The student should also be able to choose convincing arguments to confirm the studied material;
- the grade "*good*" (148-163 points, C) is awarded to students who: completed the work in general, but during the final control make a certain number of mistakes; are able to compare, generalize, systematize information under the guidance of a teacher, in general independently apply it in practice, control their own activities; learned the curriculum material, successfully completed the tasks prescribed by the program, familiarized themselves with the basic literature recommended by the program;
- the grade "*satisfactory*" (128-147 points, D) is awarded to students who: know the basic syllabus material to the extent necessary for further study and its use in the future profession; perform tasks well, but with a significant number of errors; familiarized themselves with the basic literature

recommended by the syllabus; make mistakes when completing tasks during classes or exams but find ways to correct them under the guidance of the teacher.

- the grade "*satisfactory*" (120-127 points, E) to students who: have basic knowledge of educational and syllabus material in the amount necessary for further study and its application in the future profession, and the performance of tasks meets the minimal criteria. Knowledge is reproductive in nature.
- grade "*unsatisfactory*" (70-119 points, FX) is awarded to students who: revealed significant gaps in the knowledge of the main syllabus material and made fundamental mistakes during the completion of tasks provided by the syllabus.
- grade "*unsatisfactory*" (0-69 points, F) is awarded to students who learned the educational material only at the level of elementary recognition and reproduction of individual facts or did not learn it at all; made gross errors when completing the tasks provided by the syllabus; cannot continue their studies and are not ready for professional activity after graduating from the university without re-studying this discipline.

6. SYLLABUS

6.1. The content of the discipline

Module 1. Introduction to Global Health and Analytical Methods

Topic 1. Concept of Global Health: Historical Development and Modern Approaches. Definition of "global health." Historical stages of global health development. Differences between public, international, and global health. Practical session: Case analysis (smallpox, HIV, COVID-19 as global challenges).

Topic 2. Analysis of Global, Regional, and National Health Indicators. Data sources: WHO, GBD, Eurostat. Key indicators (incidence, prevalence, DALYs). Cross-country comparison. Practical session: Working with GBD tables.

Topic 3. Study of Mortality Structure from Infectious and Non-communicable Diseases. Differences in mortality structure between developed and developing countries. Main causes of death (NCDs vs IDs). Preventive strategies. Practical session: Analysis of official statistical charts.

Topic 4. Practical Analysis of Depression and Anxiety Prevalence. Global statistics on depression and anxiety disorders. Cultural differences in diagnosis. Socioeconomic and economic impact. Practical session: Working with WHO Mental Health Atlas data.

Topic 5. Child and Maternal Health: Analysis of Mortality Indicators. Key indicators (MMR, IMR). Risk factors. Strategies to reduce mortality. Practical session: Case analysis — “Every Woman Every Child” program.

Topic 6. Global and Regional Environmental Challenges and Health Threats. Air and water pollution. Chemical hazards. WHO initiatives. Practical session: Case study analysis — smog in Delhi, drinking water in Florida.

Topic 7. Impact of Migration on Epidemiology. Migration and disease spread. Challenges in healthcare access. Health policies for migrants.

Topic 8. Population Ageing, Health Issues, and Healthy Ageing Strategies. Demographic trends. Age-related diseases. WHO Global Strategy on Ageing. Practical session: Analysis of population ageing data in Japan and Italy.

Topic 9. Working with GBD, WHO, and UNAIDS Databases. Navigation in GBD. Using WHO Global Health Observatory and UNAIDS data. Practical session: Hands-on statistics collection exercise.

Topic 10. Mental Health: Current Challenges and Threats Prevalence of mental disorders. Stigma and discrimination. Global support programs. Practical session: Case discussion — COVID-19 and mental health.

Topic 11. Global Health in the Context of Globalization Economic globalization and access to medicines. Transport and disease spread. Integration of healthcare systems.

Topic 12. Non-communicable and Infectious Diseases as a Contemporary Global Problem Comparison of NCDs and IDs. Disease burden. WHO strategies. Practical session: Working with Global Burden of Disease data.

Final Module Control №1

Module 2. Global Challenges and Response

Topic 1. Emergencies (Wars, Pandemics, Natural Disasters): Case Analysis. Types of emergencies and population impact. Pandemics as a global health threat. Effects of war on healthcare access. Health system response to natural disasters. International aid mechanisms (WHO, Red Cross). Examples of

effective and ineffective responses. Practical session: Case analysis — COVID-19, Ukraine war, earthquake in Turkey; group discussion on response measures.

Topic 2. Climate Change and Health: Analysis of Heatwaves, Floods, and Air Pollution. Impact of climate change on disease distribution. Effects of heatwaves and floods on health. Air pollution and chronic diseases. Vulnerable groups (children, elderly, chronically ill). International and national adaptation strategies. Role of health services in preventing environmental threats. Practical session: Local case analysis; working with WHO air pollution data.

Topic 3. Antimicrobial Resistance (AMR) as a Global Threat. Definition and causes of AMR. Impact of uncontrolled antibiotic use. Global examples of "superbugs." WHO strategies. Prospects for new antibiotics and biotechnologies. Practical session: Analysis of WHO AMR report; discussion of global initiatives.

Topic 4. Vaccination in the Global Context: Achievements and Challenges. History and successes of vaccination. Vaccination and epidemics. Inequalities in vaccine access. Vaccine hesitancy and misinformation. New technologies (mRNA vaccines). International initiatives (COVAX, GAVI). Practical session: Analysis of global and Ukrainian vaccination coverage; calculation of coverage indicators.

Topic 5. Malnutrition as a Global Health Cause. Types: caloric, protein, micronutrient deficiencies. Effects on children, women, and elderly. Global trends. Hunger reduction programs (FAO, WFP). Nutrition and disease interactions. State policies on food security. Practical session: Analysis of FAO malnutrition statistics worldwide.

Topic 6. Health Inequalities in the Context of Globalization. Social gradient and health. Impact of globalization on healthcare access. Role of education and income. Strategies to reduce inequalities. Examples of national policies and international initiatives.

Topic 7. Global Migration Trends and Health Impact. Causes of global migration. Effects on disease spread. Healthcare access challenges. Risks for host countries and migrants. Ethical aspects. International support programs (WHO, IOM).

Topic 8. Tuberculosis and HIV as Global Challenges. Global prevalence. Regional differences. MDR-TB problem. HIV-TB interaction. Global initiatives (UNAIDS, Stop TB). Treatment access challenges in low-income countries. Practical session: WHO and UNAIDS data analysis; group presentation.

Topic 9. Cancer in the Global Context: Trends and Prevention. Global prevalence. Risk factors. Role of screening and early diagnosis. Inequality impact on treatment access. WHO strategies. Innovative approaches. Practical session: GLOBOCAN database analysis; case discussions.

Topic 10. Diabetes and Cardiovascular Diseases as Global Health Challenges. Prevalence, risk factors, lifestyle modifications. Economic impact on healthcare systems. Global prevention strategies (WHO NCD Global Action Plan). Public health and awareness programs. Early diagnosis and control programs. Practical session: WHO NCD Country Profiles analysis; discussion of prevention strategies in countries with different income levels.

Topic 11. Health of Vulnerable Populations (Refugees, Migrants, Homeless). Definition and characteristics. Healthcare access challenges. Socioeconomic factors. Mental health. International support programs (UNHCR, IOM). Ethical aspects and human rights.

Final Module Control №2

Module 3. Health Systems and Global Governance

Topic 1. Comparative Analysis of Health Systems. Models: Beveridge, Bismarck, private. Comparison of funding and access. Impact of national income. Role of insurance medicine. Successful reform examples. Feasibility of universal health coverage.

Topic 2. Role of Health Systems in Universal Health Coverage (UHC). Definition and key components. Challenges in low-income countries. Governmental and private healthcare roles. International initiatives for UHC. Measuring system effectiveness. Practical session: Analysis of UHC indicators; group discussion.

Topic 3. International Organizations in Global Health: WHO, UNICEF, Global Fund. Mandates, structure, financing, coordination. Examples of successful initiatives.

Topic 4. Ethics and Human Rights in Global Health. Right to health. Ethical dilemmas in resource allocation. Conflict between individual rights and public good. Access to treatment in low-income countries. International conventions. Practical session: Case analysis — forced isolation during pandemic.

Topic 5. International Partnerships and Collaboration. Forms of partnership, bilateral and multilateral agreements. Participation in SDGs, GAVI, Stop TB. Government, NGO, private sector roles. Practical session: Examples of successful projects.

Topic 6. Sustainable Development Goals (SDGs) and Global Health. SDG 3: ensuring healthy lives and wellbeing. Integration into national strategies. Monitoring and evaluation.

Topic 7. Health Policy: International Strategies and Agreements. Major international agreements. Policy impact on access to medicines and services. WHO Global Strategy, IHR. Implementation challenges.

Topic 8. Digital Transformation in Health: Global Trends. EHRs, telemedicine, Big Data, AI in diagnosis and treatment. Ethical and legal aspects. International examples.

Topic 9. Future of Global Health: Digital Medicine, Biotech, and International Collaboration. Innovative vaccines and therapies. Global scientific collaboration. Telemedicine prospects. Ethics and regulation. Practical session: Discussion of future innovations.

Topic 10. Health in the Context of Biosecurity and Bioprotection. Biological threats, international standards, epidemic preparedness. Laboratory roles. Practical session: Case analysis — COVID-19 and biosecurity measures.

Topic 11. Medical Education and Science in Global Health. Global trends, mobility of students and doctors. Research role. University partnerships. Knowledge dissemination in low-income countries. Practical session: Analysis of international exchange and research programs.

Topic 12. Health Financing: Global Challenges and Innovations. Models: taxes, insurance, private contributions. Donor roles. PPPs, health investments. Resource efficiency and impact on access.

Final Module Control №3

Module 4. Modern Strategies and Practical Tools

Topic 1. Global Strategies for Infectious Disease Prevention. WHO and UNAIDS strategies. Preventive vaccination programs. Epidemic control and local programs. TB and HIV prevention. Behavioral strategies. Implementation challenges in countries with different income levels. Practical session: Epidemic case analysis and prevention proposals.

Topic 2. Innovations in NCD Prevention and TreatmentTypes of NCDs (CVD, diabetes, cancer). Early diagnosis technologies. Pharmacological and non-pharmacological therapies. Global campaigns. Practical session: Analysis of global CVD prevention strategy.

Topic 3. Practicum on Using Global Databases (WHO, UNAIDS, Eurostat). Database navigation, indicator analysis, data comparison, verification. Practical session: Compilation of HIV/TB prevalence table in different regions.

Topic 4. International Standards for Health Program Monitoring and Evaluation. Key indicators, data collection methods, program comparison, impact on policy. Practical session: Analysis of HIV prevention program results in a specific country.

Topic 5. Global Approaches to Mental Health. WHO Mental Health Action Plan. Preventive programs, interventions. Access challenges. Telemedicine. Social integration. Practical session: Regional mental disorder statistics analysis and prevention proposals.

Topic 6. Practical Analysis of COVID-19 Response Cases. Pandemic stages, international and local strategies, data use, socio-economic impact. Practical session: Country-specific analysis and recommendations.

Topic 7. Global Approaches to Tobacco, Alcohol, and Drug Control. WHO FCTC, harm reduction programs, media impact, legislative mechanisms, NGO role. Practical session: Development of a mini-prevention program.

Topic 8. Role of Intersectoral Cooperation in Global Health. Definition, examples (education, transport, environment), public-private partnerships, coordination challenges.

Topic 9. Practicum on Writing Analytical Reports Using International Data. Report structure, indicator selection, data visualization, interpretation, recommendations. Practical session: Analytical report on regional HIV/TB/NCD indicators.

Topic 10. Role of NGOs in Global Health. NGO types, interaction with governments and international organizations, examples, funding challenges, social impact, innovative approaches. Practical session: Case analysis of NGO activities in Ukraine or globally.

Topic 11. Modern Bioethics Challenges in Globalization. Basic principles, ethical dilemmas in pandemics, patient rights, clinical trials ethics, international standards, balance between public and individual interests. Practical session: Case analysis of vaccine clinical trials in low-income countries.

Final Module Control №4

6.2. The structure of the discipline

Titles of content modules and topics	Number of hours					
	Form of study:					
	Total	including				
		lectures	practical classes (seminars)	laboratory classes	individual work	self- Study
I semester						
Module 1. Introduction to Global Health and Analytical Methods						
Topic 1. Concept of Global Health: Historical Development and Modern Approaches	3		2		1	
Topic 2. Analysis of Global, Regional, and National Health Indicators	3		2		1	
Topic 3. Study of Mortality Structure from Infectious and Non-communicable Diseases	2		2			
Topic 4. Practical Analysis of Depression and Anxiety Prevalence	3		2		1	
Topic 5. Child and Maternal Health: Analysis of Mortality Indicators	3		2		1	
Topic 6. Global and Regional Environmental Challenges and Health Threats	2		2			
Topic 7. Impact of Migration on Epidemiology	3		2		1	
Topic 8. Population Ageing, Health Issues, and Healthy Ageing Strategies	3		2		1	
Topic 9. Working with GBD, WHO, and UNAIDS Databases	2		2			
Topic 10. Mental Health: Current Challenges and Threats	3		2		1	
Topic 11. Global Health in the Context of Globalization	3		2		1	
Topic 12. Non-communicable and Infectious Diseases as a Contemporary Global	2		2			
Module test	3		2		1	
Total for the module	35		26		9	
Module 2. Global Challenges and Response						
Topic 1. Emergencies (Wars, Pandemics, Natural Disasters): Case Analysis	3		2		1	
Topic 2. Climate Change and Health: Analysis of Heatwaves, Floods, and Air Pollution	3		2		1	
Topic 3. Antimicrobial Resistance (AMR) as a Global Threat	2		2			
Topic 4. Vaccination in the Global Context: Achievements and Challenges	3		2		1	
Topic 5. Malnutrition as a Global Health Cause	3		2		1	
Topic 6. Health Inequalities in the Context of Globalization	2		2			
Topic 7. Global Migration Trends and Health Impact	3		2		1	
Topic 8. Tuberculosis and HIV as Global Challenges	3		2		1	
Topic 9. Cancer in the Global Context: Trends and Prevention	2		2			
Topic 10. Diabetes and Cardiovascular Diseases as Global Health Challenges	3		2		1	

Topic 11. Health of Vulnerable Populations (Refugees, Migrants, Homeless)	3		2		1
Module test	3		2		1
Total for the module	33		24		9
Total for the semester	68		50		18
II semester					
Module 3. Health Systems and Global Governance					
Topic 1. Comparative Analysis of Health Systems	3		2		1
Topic 2. Role of Health Systems in Universal Health Coverage (UHC)	3		2		1
Topic 3. International Organizations in Global Health: WHO, UNICEF, Global Fund	2		2		
Topic 4. Ethics and Human Rights in Global Health	3		2		1
Topic 5. International Partnerships and Collaboration	3		2		1
Topic 6. Sustainable Development Goals (SDGs) and Global Health	2		2		
Topic 7. Health Policy: International Strategies and Agreements	3		2		1
Topic 8. Digital Transformation in Health: Global Trends	3		2		1
Topic 9. Future of Global Health: Digital Medicine, Biotech, and International Collaboration	2		2		
Topic 10. Health in the Context of Biosecurity and Bioprotection	3		2		1
Topic 11. Medical Education and Science in Global Health	3		2		1
Topic 12. Health Financing: Global Challenges and Innovations	2		2		
Module test	3		2		1
Total for the module	35		26		9
Module 4. Modern Strategies and Practical Tools					
Topic 1. Global Strategies for Infectious Disease Prevention	3		2		1
Topic 2. Innovations in NCD Prevention and Treatment	3		2		1
Topic 3. Practicum on Using Global Databases (WHO, UNAIDS, Eurostat)	2		2		
Topic 4. International Standards for Health Program Monitoring and Evaluation	3		2		1
Topic 5. Global Approaches to Mental Health	3		2		1
Topic 6. Practical Analysis of COVID-19 Response Cases	2		2		
Topic 7. Global Approaches to Tobacco, Alcohol, and Drug Control	3		2		1
Topic 8. Role of Intersectoral Cooperation in Global Health	3		2		1
Topic 9. Practicum on Writing Analytical Reports Using International Data	2		2		
Topic 10. Role of NGOs in Global Health	3		2		1
Topic 11. Modern Bioethics Challenges in Globalization	2		2		
Module test	3		2		1
Total for the module	32		24		8
Total for the semester	67		50		17
Total for the year	135		100		35

6.3. Topics of practical (seminars, laboratory) classes

№	Topic title	Number hours	
		Full-time study	Extramural form of study
1	Topic 1. Concept of Global Health: Historical Development and Modern Approaches	2	-
2	Topic 2. Analysis of Global, Regional, and National Health Indicators	2	-
3	Topic 3. Study of Mortality Structure from Infectious and Non-communicable Diseases	2	-
4	Topic 4. Practical Analysis of Depression and Anxiety Prevalence	2	-
5	Topic 5. Child and Maternal Health: Analysis of Mortality Indicators	2	-
6	Topic 6. Global and Regional Environmental Challenges and Health Threats	2	-
7	Topic 7. Impact of Migration on Epidemiology	2	-
8	Topic 8. Population Ageing, Health Issues, and Healthy Ageing Strategies	2	-
9	Topic 9. Working with GBD, WHO, and UNAIDS Databases	2	-
10	Topic 10. Mental Health: Current Challenges and Threats	2	-
11	Topic 11. Global Health in the Context of Globalization	2	-
12	Topic 12. Non-communicable and Infectious Diseases as a Contemporary Global	2	-
13	Final Module Control №1	2	-
14	Topic 1. Emergencies (Wars, Pandemics, Natural Disasters): Case Analysis	2	-
15	Topic 2. Climate Change and Health: Analysis of Heatwaves, Floods, and Air Pollution	2	-
16	Topic 3. Antimicrobial Resistance (AMR) as a Global Threat	2	-
17	Topic 4. Vaccination in the Global Context: Achievements and Challenges	2	-
18	Topic 5. Malnutrition as a Global Health Cause	2	-
19	Topic 6. Health Inequalities in the Context of Globalization	2	-
20	Topic 7. Global Migration Trends and Health Impact	2	-
21	Topic 8. Tuberculosis and HIV as Global Challenges	2	-
22	Topic 9. Cancer in the Global Context: Trends and Prevention	2	-
23	Topic 10. Diabetes and Cardiovascular Diseases as Global Health Challenges	2	-
24	Topic 11. Health of Vulnerable Populations (Refugees, Migrants, Homeless)	2	-
25	Final Module Control №2	2	-
26	Topic 1. Comparative Analysis of Health Systems	2	-
27	Topic 2. Role of Health Systems in Universal Health Coverage (UHC)	2	-
28	Topic 3. International Organizations in Global Health: WHO, UNICEF, Global Fund	2	-
29	Topic 4. Ethics and Human Rights in Global Health	2	-
30	Topic 5. International Partnerships and Collaboration	2	-

31	Topic 6. Sustainable Development Goals (SDGs) and Global Health	2	-
32	Topic 7. Health Policy: International Strategies and Agreements	2	-
33	Topic 8. Digital Transformation in Health: Global Trends	2	-
34	Topic 9. Future of Global Health: Digital Medicine, Biotech, and International Collaboration	2	-
35	Topic 10. Health in the Context of Biosecurity and Bioprotection	2	-
36	Topic 11. Medical Education and Science in Global Health	2	-
37	Topic 12. Health Financing: Global Challenges and Innovations	2	-
38	Final Module Control №3	2	-
39	Topic 1. Global Strategies for Infectious Disease Prevention	2	-
40	Topic 2. Innovations in NCD Prevention and Treatment	2	-
41	Topic 3. Practicum on Using Global Databases (WHO, UNAIDS, Eurostat)	2	-
42	Topic 4. International Standards for Health Program Monitoring and Evaluation	2	-
43	Topic 5. Global Approaches to Mental Health	2	-
44	Topic 6. Practical Analysis of COVID-19 Response Cases	2	-
45	Topic 7. Global Approaches to Tobacco, Alcohol, and Drug Control	2	-
46	Topic 8. Role of Intersectoral Cooperation in Global Health	2	-
47	Topic 9. Practicum on Writing Analytical Reports Using International Data	2	-
48	Topic 10. Role of NGOs in Global Health	2	-
49	Topic 11. Modern Bioethics Challenges in Globalization	2	-
50	Final Module Control №4	2	-
Total		100	-

6.4. Self-study

№	Topic title	Number hours	
		Full-time study	Extramural form of study
1	Topic 1. Concept of Global Health: Historical Development and Modern Approaches	1	-
2	Topic 2. Analysis of Global, Regional, and National Health Indicators	1	-
3	Topic 3. Study of Mortality Structure from Infectious and Non-communicable Diseases	-	-
4	Topic 4. Practical Analysis of Depression and Anxiety Prevalence	1	-
5	Topic 5. Child and Maternal Health: Analysis of Mortality Indicators	1	-
6	Topic 6. Global and Regional Environmental Challenges and Health Threats	-	-
7	Topic 7. Impact of Migration on Epidemiology	1	-
8	Topic 8. Population Ageing, Health Issues, and Healthy Ageing Strategies	1	-
9	Topic 9. Working with GBD, WHO, and UNAIDS Databases		-
10	Topic 10. Mental Health: Current Challenges and Threats	1	-
11	Topic 11. Global Health in the Context of Globalization	1	-

12	Topic 12. Non-communicable and Infectious Diseases as a Contemporary Global	-	-
13	Final Module Control №1	1	-
14	Topic 1. Emergencies (Wars, Pandemics, Natural Disasters): Case Analysis	1	-
15	Topic 2. Climate Change and Health: Analysis of Heatwaves, Floods, and Air Pollution	1	-
16	Topic 3. Antimicrobial Resistance (AMR) as a Global Threat	-	-
17	Topic 4. Vaccination in the Global Context: Achievements and Challenges	1	-
18	Topic 5. Malnutrition as a Global Health Cause	1	-
19	Topic 6. Health Inequalities in the Context of Globalization	-	-
20	Topic 7. Global Migration Trends and Health Impact	1	-
21	Topic 8. Tuberculosis and HIV as Global Challenges	1	-
22	Topic 9. Cancer in the Global Context: Trends and Prevention	-	-
23	Topic 10. Diabetes and Cardiovascular Diseases as Global Health Challenges	1	-
24	Topic 11. Health of Vulnerable Populations (Refugees, Migrants, Homeless)	1	-
25	Final Module Control №2	1	-
26	Topic 1. Comparative Analysis of Health Systems	1	-
27	Topic 2. Role of Health Systems in Universal Health Coverage (UHC)	1	-
28	Topic 3. International Organizations in Global Health: WHO, UNICEF, Global Fund	-	-
29	Topic 4. Ethics and Human Rights in Global Health	1	-
30	Topic 5. International Partnerships and Collaboration	1	-
31	Topic 6. Sustainable Development Goals (SDGs) and Global Health	-	-
32	Topic 7. Health Policy: International Strategies and Agreements	1	-
33	Topic 8. Digital Transformation in Health: Global Trends	1	-
34	Topic 9. Future of Global Health: Digital Medicine, Biotech, and International Collaboration	-	-
35	Topic 10. Health in the Context of Biosecurity and Bioprotection	1	-
36	Topic 11. Medical Education and Science in Global Health	1	-
37	Topic 12. Health Financing: Global Challenges and Innovations	-	-
38	Final Module Control №3	1	-
39	Topic 1. Global Strategies for Infectious Disease Prevention	1	-
40	Topic 2. Innovations in NCD Prevention and Treatment	1	-
41	Topic 3. Practicum on Using Global Databases (WHO, UNAIDS, Eurostat)	-	-
42	Topic 4. International Standards for Health Program Monitoring and Evaluation	1	-
43	Topic 5. Global Approaches to Mental Health	1	-
44	Topic 6. Practical Analysis of COVID-19 Response Cases	-	-
45	Topic 7. Global Approaches to Tobacco, Alcohol, and Drug Control	1	-
46	Topic 8. Role of Intersectoral Cooperation in Global Health	1	-
47	Topic 9. Practicum on Writing Analytical Reports Using International Data	-	-
48	Topic 10. Role of NGOs in Global Health	1	-

49	Topic 11. Modern Bioethics Challenges in Globalization	-	-
50	Final Module Control №4	1	-
Total		35	-

6.5. Individual tasks

Not provided by the program.

7. TOOLS, EQUIPMENT AND SOFTWARE THE USE OF WHICH IS PROVIDED FOR THE EDUCATIONAL SUBJECT

Laptop: Lenovo V15-ADA; Acer Aspire 3 (A315-51)
 Philips model computer (PC); Intel Core i5+ монитор TFT LG 24M38A-B
 Projector: Digital Projektor Benq MS502; EPSON EB-X05
 Printer: laser BFP Canon i – SENSYS MF 231

8. RECOMMENDED SOURCES OF INFORMATION

Basic sources

1. Hruzeva TS, editor. Public Health: Textbook. Vinnytsia: Nova Knyha; 2023. 616 p.
2. Koplan JP, Bond TC, Merson MH, Reddy KS, Rodriguez MH, Sewankambo NK, Wasserheit JN. Towards a Common Definition of Global Health. Lancet. 2009;373:1993–5.
3. Horton R, Lo S. Global Health 2035: A World Converging within a Generation. Lancet. 2013;382:1898–955.
4. Beaglehole R, Bonita R. Global Public Health: A New Era. Oxford University Press; 2010.
5. Guzmán JM, Rasanathan K. Global Health and Development: Concepts, Methods, and Issues. Routledge; 2017.
6. Merson MH, Black RE, Mills AJ. Global Health: Diseases, Programs, Systems, and Policies. Jones & Bartlett Learning; 2012.
7. Gostin LO, Sridhar D. Global Health Law. Harvard University Press; 2014.

Additional sources

1. hivbuch.de [Internet]. HIVBUCH 2023/24 - GB. Available from: <https://www.hivbuch.de/hivbuch-2023-24-gb/>.
2. World Health Organization (WHO) – <https://www.who.int>
3. UNAIDS – <https://www.unaids.org>
4. Centers for Disease Control and Prevention (CDC) – Global Health <https://www.cdc.gov/globalhealth>
5. Global Burden of Disease (GBD) Study – <https://www.healthdata.org/gbd>
6. World Bank – Health, Nutrition and Population – <https://www.worldbank.org/en/topic/health>
7. UNICEF – Health – <https://www.unicef.org/health>
8. European Centre for Disease Prevention and Control (ECDC) – <https://www.ecdc.europa.eu>

Information Internet resources

1. Global Burden of Disease (GBD) <https://www.healthdata.org/gbd>
2. Our World in Data – Health – <https://ourworldindata.org/health>
3. Institute for Health Metrics and Evaluation (IHME) – <https://www.healthdata.org>
4. Global Health Now – <https://www.globalhealthnow.org>

**Results of the further review of
the syllabus**

The syllabus was re-approved on 20__ / 20__ academic year unchanged; with changes (Appendix __).
(underline the correct variant)

Minutes № __ of " __ " _____ 20 __ Head of the Department _____
(Signature) (Surname, initials)

The syllabus was re-approved on 20__ / 20__ academic year unchanged; with changes (Appendix __).
(underline the correct variant)

Minutes № __ of " __ " _____ 20 __ Head of the Department _____
(Signature) (Surname, initials)

The syllabus was re-approved on 20__ / 20__ academic year unchanged; with changes
(Appendix __).

(underline the correct variant)

Minutes № __ of " __ " _____ 20 __ Head of the Department _____

(Signature) (Surname, initials)

The syllabus was re-approved on 20__ / 20__ academic year unchanged; with changes (Appendix __).
(underline the correct variant)

Minutes № __ of " __ " _____ 20 __ Head of the Department _____
(Signature) (Surname, initials)