

SYLLABUS

INTERNATIONAL
EUROPEAN UNIVERSITY



SCHOOL OF
MEDICINE

"Hygiene and occupational diseases,
Health Care Organization"
EPP-222 "Medicine"

2024



SYLLABUS



1	Name of the course and educational program
	"Hygiene and Occupational Diseases, Health Care Organization" EPP – 222 "Medicine"
2	Course description
	The course "Hygiene and Occupational Diseases, Organization of Health Care" consists of two parts. The first section is devoted to the issues of understanding the basic principles of preventive medicine, the impact of the environment and the working environment on the human body, the ability to solve problems in the prevention of diseases. The second section is devoted to the study of the organization and economics of the health care system
3	Background of study
	For the successful mastering of the discipline, a higher education applicant needs knowledge obtained in the process of studying the following disciplines: "Microbiology", "Physiology", "Pathophysiology", "Hygiene and Ecology", "Principles of Evidence-Based Medicine and Methodology of Scientific Research", "Social Medicine, Public Health".
4	Amount of credits/hours
	5 ECTS credits / 150 academic hours
5	Training format
	Blended learning
6	Classroom Location
	4th floor, auditorium. 409
7	Full name of the teacher
	Kovalenko Viktoriia , Ph.D., Associate Professor, Head of the Department of Fundamental and Medical Preventive Disciplines
8	Pulpit
	Department of Fundamental and Medical-Preventive Disciplines of the Scientific Research Institute "EMS"





SYLLABUS



9 Office Location

Department of Fundamental and Medical-Preventive Disciplines of the Scientific Research Institute "EMS"
Kyiv, Akademika Glushkova Ave., 42 V, office. 423

10 Counseling

Tuesday from 14:00 to 15:30 with prior appointment via corporate mail

11 Teacher's e-mail

victoriakovalenko@ieu.edu.ua

12 Course Objectives

The objectives of the course are to study natural and anthropogenic environmental factors and social conditions that affect human health during work, to use the developed hygienic recommendations, rules, standards in health care practice and the national economy and to check their effectiveness. Mastering the theoretical foundations and legal foundations of the health care system, its functions and strategic directions of development, organization of medical care, mastering the principles of developing managerial decisions aimed at improving the activities of health care institutions

13 The role of the academic discipline in achieving program results

PLO 1. Have thorough knowledge of the structure of professional activity. Be able to carry out professional activities that require updating and integration of knowledge. Be responsible for professional development, the ability to further professional training with a high level of autonomy.

PLO 2. Understanding and knowledge of basic and clinical biomedical sciences, at a level sufficient to solve professional problems in the field of health care

PLO 3. Specialized conceptual knowledge, including scientific achievements in the field of health care and is the basis for research, critical reflection on problems in the field of medicine and related interdisciplinary problems.

PLO 10. Determine the necessary mode of work, rest and nutrition on the basis of the final clinical diagnosis, observing the relevant ethical and legal norms, by making an informed decision according to existing algorithms and standard schemes.

PLO 19. Plan and implement a system of anti-epidemic and preventive measures for the occurrence and spread of diseases among the population.

PLO 20. Analyze the epidemiological state and carry out measures of mass and individual, general and local prevention of infectious diseases

PLO 21. To search for the necessary information in professional literature and databases of other sources, to analyze, evaluate and apply this information.

PLO23. Assess the impact of the environment on human health to assess the state of morbidity of the population

PLO 24. Organize the necessary level of individual security (own and those of the person he cares for) in case of typical dangerous situations in the individual field of activity

PLO 25. Clearly and unambiguously convey their own knowledge, conclusions and arguments on health care problems and related issues to specialists and non-specialists.

PLO 26. Manage work processes in the field of healthcare, which are complex, unpredictable and require new strategic approaches, organize the work and professional development of personnel, taking into account the acquired skills of effective teamwork, leadership positions, proper quality, accessibility and fairness, ensuring the provision of integrated medical care.



SYLLABUS



PLO 27. Communicate fluently in the state and English languages, both orally and in writing to discuss professional activities, research, and projects.

PLO 28. Make effective decisions on health problems, assess the resources needed, take into account social, economic and ethical consequences

14

Learning outcomes

Upon completion of the course, the applicant for higher education will be able to:

- Carry out sanitary, hygienic and preventive measures;
- Assess the impact of the environment, socio-economic and biological determinants on the health of the individual, family, population;
- To conduct epidemiological and medical-statistical studies of public health; processing of social, economic and medical information;
- Clearly and ambiguously convey your own knowledge, conclusions and arguments on health care problems and related issues to specialists and non-specialists,
- To develop and implement scientific and applied projects in the field of healthcare.

15

Course Content

Section 1 "Hygiene and Occupational Diseases"

Topic 1 Legislative Framework for the Organization and Supervision of the Sanitary Condition of Environmental Objects and Human Health

Topic 2 Impact of environmental factors on the human body and public health

Topic 3 Water hygiene and water supply of settlements

Topic 4 Diseases with water as a risk factor

Topic 5 Sanitary protection of soil and cleaning of settlements

Prevention of infectious and non-communicable diseases of the population, the factor of spread of which can be soil

Topic 6 Hygiene of populated areas

Topic 7 Nutrition in preventive medicine. Therapeutic nutrition

Topic 8 Sanitary and hygienic control over public catering. Food poisoning

Topic 9 Hygiene of children and adolescents

Topic 10 Occupational health

Topic 11 Hygiene of medical and preventive institutions

Topic 12 Nosocomial infections

Topic 13 Radiation hygiene

Topic 14 Organization of hygienic provision in the elimination of the consequences of emergencies

Section 2 "Organization of health care"

Topic 15. Health care systems. Reforming the health care system in Ukraine.

Topic 16. Legal principles of health care. Health insurance.

Topic 17. Types of medical care. Organization of the provision of primary medical care to the population.

Topic 18. Organization of out-of-hospital (specialized and highly specialized) medical care for the population.

Topic 19. Organization of inpatient medical care for the population.

Topic 20. Analysis of the activities of the emergency (ambulance) medical service.

Topic 21. Medical and social security of the elderly population. Palliative and hospice care.

Topic 22. E-Health. National Health Service

Topic 23. Organization and content of the work of institutions providing obstetric and gynecological care

Topic 24. Organization of medical care for children, accounting and analysis of the activities of institutions.

Topic 25. Peculiarities of the organization of medical care for patients with infectious diseases

Topic 26. Military medicine: features of the organization of medical care for military personnel.

Topic 27. Mental health care.

Topic 28. Organization of the examination of disability, the procedure for its implementation.

Topic 29. Medical rehabilitation: features of use for different contingents of patients.

Topic 30. Methodology for conducting expert assessments of the quality of medical care for the population.

Topic 31. Analysis of factors influencing the activities of health care institutions.

Topic 32. Health Care Management. Methods of Managerial Decision-Making.

Topic 33. Management and Leadership in Healthcare

16

Books and materials

1. Hygiene and ecology: textbook / [V. G. Bardov, S. T. Omelchuk, N. V. Merezhkina et al.]; for general. edited by V. G. Bardov. – Vinnytsia: New Book, 2020. – 572 p. (in Ukrainian).
2. Hygiene and epidemiology in the system of military medical training and emergency medicine / S. Bondar, T. Gut, R. Gut. – Kyiv: "Medicine", 2018. – 344 p.(in Ukrainian).
3. Fundamentals of ecology and preventive medicine: textbook / D. O. Lastkov, I. V. Sergeta, O. V. Shvydkyi et al. – K: VSV "Medicine", 2017. – 472 p. (in Ukrainian).
4. General hygiene. Socio-hygienic monitoring: textbook. dlya vuzov /P.I.Melnichenko [and others]: ed. - Moscow: Prakticheskaya meditsiniya Publ., 2015. – 512 p. (in Ukrainian).
5. Hygiene with the Basics of Ecology: Educational and Methodological Manual (Higher Educational Institutions I—III Years of Education)/ L. V. Dovzhenko, I. K. Linkova. - Kyiv: "Medicine", 2017. – 49 p. (in Ukrainian).
6. Radiation hygiene / V.O. Murashko, D.S. Mechev, V.G. Bardov and others. – Vinnytsia: New Book, 2013. – 376 p. (in Ukrainian).
7. Public Health: National Textbook / V. F. Moskalenko, O. P. Gulchiiy, T. S. Gruzeva [et al.]; Editors: V. F. Moskalenko; Ministry of Health of Ukraine; National. honey. Univ. O. O. Bogomolets. – 3rd ed. – Vinnytsia: New Book, 2013. – 560 p., illus., table.
8. Kaplan, Inc. Step 1. Lecture Notes. – Kaplan Medical, 2018. – 2567 p
9. Social Medicine and Organization of Health Care (for Students of Dental Faculties of Higher Medical Educational Institutions of Ukraine of the IV Level of Accreditation /Edited by V.F. Moskalenko. – Kyiv: Kniga Plus, 2010, – 328 p.
10. Golyachenko O.M. Social Medicine and Health Care Organization. – Kyiv: VSV "Medicine", 2011. – 208 p. (in Ukrainian).
11. Collection of test tasks for state tests on hygiene, social medicine, organization and economics of health care / ed. V.F. Moskalenko, V.G. Bardov, O.P. Yavorovsky. – Vinnytsia: New Book, 2012. – 200 p. (in Ukrainian).
12. Moskalenko V. F. Methodology of Evidence-Based Medicine: Textbook / V. F. Moskalenko, I. E. Bulakh, O. G. Puzanov. – Kyiv: Medicine, 2014. – 199 p. : ill., tabl.

17

Technical requirements for working on the course

To work during the study of the discipline "Hygiene and Ecology", you need regular access to a computer (or phone) and the Internet.

To successfully study and pass the exam for the training course, you must first familiarize yourself with the distance platforms (Classroom or Moodle) and Labster, study all the folders on which there is already or step-by-step information or materials for studying the course. You will also need to upload and create documents, upload a completed task, watch a video or create one.

The ability to use remote platforms is possible only with the use of corporate mail.

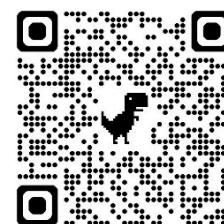
If it is impossible to enter the course, you need to inform the management of the ESI EMS, or the headman, or directly the course teacher..

18 Learning process

The process of studying the course "Bioethics and Medical Communications" includes lectures and practical classes.

During the lectures, such teaching methods as *lecture; problem-oriented lecture, lecture-conversation, lecture-discussion, demonstration, case analysis in accordance with the topic of lectures* will be used.

During practical classes, such teaching methods as *surveys, testing, individual and team tasks, cases, exchange of ideas (think-pair-share), preparation of reports and presentations, work in small groups, solved specific tasks and situations, brainstorming (brainstorming, brainstorming)* will be used



19 Signs of discipline

Term of teaching	Semester	International Disciplinary Integration	Course year (study)	Cycles: General Training/ Professional Training/ Free Choice
1st semester	Semester 12	yes	6th year	Professional training cycle

20 Grading Policy

Assessment of knowledge and skills during the semester is possible in various ways. The teacher assesses class attendance, activity during the practical lesson, discussion of control questions, quality and timely completion of tasks and tests, ability to present their report, performance

Activities during the semester	Maximum number of points during the semester
Current work (oral survey, participation in discussion) (20 during the cycle)	40 (2x20)
Solving tests and situational problems (30 during the cycle)	150 (5x30)
Presentations (1 per cycle)	5
Test work (1)	5
Together	200

21 Grading scale

The maximum number of points for the discipline is 200 points. The ratio between the results of the assessment of current educational activities and the final control of knowledge is 60% and 40%.

The study of the discipline ends with a final control in the form of an exam.

Only those students who do not have academic debt (all missed classes have been worked out) and their average score for current academic activities in the academic discipline is not less than a grade of "3" are allowed to take the exam.

The maximum number of points that a student can score for current academic activities for admission to the exam is 120 points and is determined as the sum of the arithmetic mean of all grades received in the semester. The minimum number of points that a student must score for the current academic activity to be admitted to the exam is 72 points. Recalculation of the average grade for current performance (on a 120-point scale) in Table. 1. (Table. 1. Regulations on the organization of educational activities).

The maximum number of points that a student can score when passing the exam is 80 (the minimum number is at least 50). The grade in the discipline is determined comprehensively, as the sum of points for current educational activities and points for the exam.

Of the allocated 120 points for current educational activities for the assessment of individual independent work of higher education applicants, according to the working curriculum, an additional 4 to 12 points are allocated. Incentive points are added to the final grade in the discipline at the end of its study. Points in the discipline for students who have successfully completed the program are converted to the national scale and the ECTS system.

Sum of points for all types of learning activities	ECTS assessment	National scale score	
		For the sake of clarity, diffusion	For the sake of credit
180-200	And	Perfectly	Enrolled
160-179	Into	Well	
150-159	C	Satisfactory	
130-149	D		
120-129	E		
50-119	FX	unsatisfactory with the possibility of retaking	not enrolled with the possibility of retaking
0-49	F	unsatisfactory with the obligatory re-study of the discipline	not enrolled with mandatory re-study of the discipline



To check your grades for assignments and read the teacher's comments, you should check the relevant tabs of the Classroom or Moodle distance learning platforms.

You can also get information about the grades received directly from the course teacher through corporate mail or by appointment on the days of consultations (room 423).

For productive educational and cognitive activities of students when studying the discipline, topical lectures are carried out in the form of presentations, group work, seminars-discussions.

During his stay on the territory of the IEU and in classes, the student must respect teachers, staff and other students, attend classes according to the schedule, come on time and not leave the classroom without the



SYLLABUS



permission of the teacher. It is necessary to complete all academic tasks and work within the specified deadlines.

The teacher, in turn, must constantly improve his professional level, pedagogical skills, general culture, provide conditions for students to assimilate curricula at the level of mandatory requirements for the content, level and scope of education, promote the comprehensive professional development of students. It is imperative to adhere to the curriculum, not to be late for classes, to prevent any manifestations of corruption, discrimination, bullying, harassment and infringement of the rights of students.

A student who, for valid reasons, confirmed by documents, was not subject to current control, has the right to undergo current control within two weeks after returning to study.

A student who was absent from classes without a valid reason, did not participate in current control measures, did not liquidate academic debt, is not allowed to the final semester control of knowledge in this discipline, and on the day of passing the exam in the exam sheet, the scientific and pedagogical worker gives a grade of "not admitted". Re-passing the exam in the discipline is assigned under the condition of performing all types of educational, independent (individual) work provided for by the working curriculum of the discipline, and is carried out in accordance with the liquidation schedule approved by the directorate.

All participants in the educational process are guided by the principles of academic integrity.



24

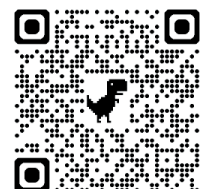
Completing the task late, correcting grades, working out

Assignments must be submitted via Classroom or Moodle before the completion deadlines specified in the course schedule on our website. Most of the tasks must be completed by 09:00 on the day of the next lesson in order to align them with the content of the course and activities in the group. It is best practice to complete the assignment as soon as possible after receiving it so that you have enough time to actively participate in the class.

If you need more time to complete a task, flexible deadlines are available. Completed assignments are accepted for full credit until the last lesson in the discipline according to the schedule, after which a 40% partial credit based on the grade received will be awarded within a week after the last day of classes. Tasks that did not pass at all will receive 0.

If you plan to miss classes for more than one week due to illness or other reasons, please contact your instructor to arrange alternative assignment options.

Remember that deadlines work both ways, and meeting them will ensure that the instructor provides timely feedback on your assignments to ensure that you keep up with the course.



25

Teacher's response time

Through corporate mail, within a week.

26

Effective communication



SYLLABUS



Effective communication is not only about being able to speak, but also about being able to hear!!

Therefore, the main recommendations for effective communication are corporate e-mail directly with the course teacher; this is personal communication with classmates through social networks/corporate mails/mobile phones; this is communication directly on the course of distance platforms Classroom or Moodle; This is a face-to-face meeting with the teacher on the days of consultations.

27

Course Materials Publication and Distribution Policy

Students may not post, publish, sell, or otherwise publicly distribute course materials without the written permission of the instructor!

Such materials include, but are not limited to: lecture notes, lecture slides, video or audio recordings, assignments, problem sets, exams, other students' papers, and answer keys.

Students who sell, post, publish, or distribute course materials without written permission for the purpose of obtaining answers or otherwise may be subject to disciplinary action, up to and including the requirement to refuse to study. In addition, students may not make video or audio recordings of classes for their own use without written permission from the instructor.

28

Expected workload and student engagement

For work in this course, hours are necessarily provided for independent study of materials and preparation for practical classes (approximately 5-6 hours per week).

If circumstances arise that force you to spend more time on any of the tasks, inform the teacher by e-mail.

An extension of the deadline is possible only if the teacher is informed in advance that you will not be able to submit the assignment on time. Students are expected to have a backup plan in case of computer failure or internet outages.

29

Support

Electronic schedule

Library

Repository

Directorate of the School Medicine

30

Course Schedule

Title of the lecture topic	Practical classes
Methodological and methodological foundations for studying the impact of a complex of environmental factors on public health.	1. Oral Survey 2. Practical tasks 3. Tests 4. Situational tasks 5. Tasks for the USCI "Krok2" and OSCI
Health care systems. Reforming the health care system in Ukraine.	1. Oral Survey 2. Practical tasks 3. Tests

Legal principles of health care. Health insurance.	1. Oral Survey 2. Practical tasks 3. Tests 4. Situational tasks 5. Presentation of presentations
E-Health. National Health Service	1. Oral Survey 2. Practical tasks 3. Tests
Health Management. Methods of managerial decision-making	1. Oral Survey 2. Solving practical problems 3. Tests 4. Think-pair-share

A modern person must master the art of healthy living, learn to preserve and strengthen his health and the health of the environment!

If you want to successfully master this subject, you must be:

- persistent, attentive and inquisitive;
- creative and cheerful, open for communication and discussion;
- ready to receive and share information on the subject not only at lectures, but also in extracurricular time.

See you!