

SYLLABUS

INTERNATIONAL EUROPEAN
UNIVERSITY



**SCHOOL OF
MEDICINE**

" Occupational Safety and Health "
EPP – 222 "Medicine"

2024



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1	Name of the course and educational program
	"Occupational Safety and Health" EPP – 222 "Medicine"
2	Course description
	The problem of ensuring effective labor protection in the medical field is extremely relevant. Health care institutions are zones of increased risk due to the influence of a complex of harmful factors in the human-environment system that arise during the treatment process, this determines the specificity of both the working conditions of medical workers and the quality of the nosocomial environment for patients. In this regard, in higher education institutions, it is important to teach students the basics of labor protection.
3	Background of study
	For the successful mastering of the discipline, a higher education applicant needs knowledge gained in the process of studying the following disciplines: "Medical and biological physics. Medical Informatics", "Medical Chemistry", "Medical Biology".
4	Amount of credits/hours
	3 ECTS credits / 90 academic hours
5	Training format
	Blended learning
6	Classroom Location
	4th floor, 403 auditorium
7	Full name of the teacher
	Kovalenko Viktoriia , Ph.D., Associate Professor, Head of the Department of Fundamental and Medical-Preventive Disciplines, SRI "EMS"
8	Pulpit
	Department of Fundamental and Medical-Preventive Disciplines of the Scientific Research Institute "EMS"





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9 Office Location

Kyiv, Akademika Glushkova Ave., 42 V, office. 408

10 Counseling

Wednesday 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 study of the course provides an opportunity for future specialists to gain knowledge about the preservation of life, health and working capacity of medical workers in industrial conditions. Obtaining professional competencies is carried out through the application of a set of legislative, organizational, engineering and technical, sanitary, hygienic, therapeutic and preventive and other measures aimed at the prevention of industrial injuries and the occurrence of occupational and work-related diseases

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

PLO 22. Apply modern digital technologies, specialized software, statistical methods of data analysis to solve complex health care problems

PLO 24. Organize the necessary level of individual safety (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 27. Communicate fluently in the state and English, both orally and in writing for discussion.

14 Learning outcomes

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

- to investigate accidents, accidents and occupational diseases;
- develop and carry out measures to eliminate the causes of accidents;
- to implement organizational and technical measures to improve labor safety;
- effectively distribute functions, duties and powers for labor protection in the production collective;

14

Learning outcomes

- to develop methodological support and conduct training, testing of knowledge on labor protection;
- demonstrate readiness to monitor the fulfillment of labor protection requirements in the organization;
- have skills in analyzing international experience in labor protection, development and implementation of safe technologies, selection of optimal working conditions and modes,
- independently solve complex situational problems in real time

15

Course Content

Topic 1. Legal and organizational foundations of labor protection.

Topic 2. Organization of labor protection in medical institutions and institutions of higher medical education.

Topic 3. Occupational hygiene and physiology, importance for the creation of safe working conditions.

Topic 4. Occupational hazards in the performance of functional duties of medical workers.

Topic 5. Hygienic characteristics of working conditions and health status of medical workers.

Topic 6. Accidents and accidents in health care facilities, their investigation and accounting.

Topic 7. Labor protection in medical institutions.

Topic 8. Labor protection in individual structural divisions of health care facilities and higher medical educational institutions.

Topic 9. Infectious diseases are dangerous in the work of medical workers.

Topic 10. Fundamentals of industrial safety of medical workers.

16

Books and materials

1. Labor protection in the medical field: teaching method. Manual. / O.P. Yavorovsky, M.I. Veremey, V.I. Zenkina et al. – Kiev: VSV "Medicine", 2015. 208 p. (in Ukrainian).
2. Life Safety, Fundamentals of Labor Protection: Manual. O.P. Yavorovsky, V.M. Shevtsova, V.I. Zenkina et al.; for general. edited by O.P. Yavorovsky. – Kyiv: VSV "Medicine", 2015. – 288 p. (in Ukrainian).
3. Labor protection in medical and preventive institutions. Life safety: textbook / B.S. Tarasiuk, G.B. Kuchanska. — Kyiv: VSV "Medicine", 2015. — 520 p. (in Ukrainian).
4. Labor protection and life safety of medical workers: textbook for students. higher medical (pharmaceutical) teachings. institutions of I-III levels of accreditation / N.M. Kasevich, K.I. Shapoval. — 3rd ed., reworked. and additional. — Kiev: VSV "Medicine", 2013. 264 p. (in Ukrainian).
5. Berezutskyi V.V. Dangerous Production Risks and Reliability: Manual. manual / V.V. Berezutsky, M.I. Adamenko; Kharkiv Polytechnic Institute, nats. Tech. un-t. – Kharkiv: FOP Panov A.M., 2016. – 385 p. (in Ukrainian)

17

Technical requirements for working on the course

To work during the study of the discipline "Occupational Health and Safety in the Industry", you need regular access to a computer (or phone) and the Internet.

To successfully study and pass the exam for the training course, you first need to familiarize yourself with the distance platform (Moodle or Classroom) and study all the folders on which there is already or in stages the 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.

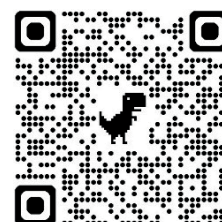


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18 Learning process

The process of studying the course "Labor Protection in the Industry" includes lectures and practical classes. During lectures, teaching methods such as lecture will be used; problem-oriented lecture, lecture-conversation, lecture-discussion, demonstration, analysis of cases in accordance with the topic of lectures. During practical classes, such teaching methods as surveys, testing, individual and team tasks, cases, exchange of opinions (think-pair-share), preparation of reports and presentations, work in small groups, solved specific tasks and situations, brainstorming (brainstorming, brainstorming), work with the interactive Labster platform will be used.



19 Signs of discipline

Term of teaching	Semester	International Disciplinary Integration	Course year (training)	Cycles: General Training/ Professional Training/ Free Choice
1st semester	3rd semester	yes	2nd year	Professional training cycle

20 Grading Policy

Assessment of knowledge and skills during the semester is carried out in various ways. The teacher assesses class attendance, activity during a lecture or practical lesson, discussion of problematic issues, quality and timely completion of tasks and tests, ability to present his report, and independent work.

Activities during the semester	Maximum number of points during the semester
Current work (attendance, oral interview, participation in discussion) (8 during the semester)	40(5x8)
Solving situational problems (8 during the semester)	40 (5x8)
Presentations (1 per semester)	30
Tests (8 during the semester.)	40 (5x8)
Modular test work (1 semester)	20
Labster Interactive Platform (1 work)	30 (1x20)
Together	200



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21 Grading scale

The maximum number of points that a student can score for current educational activities when studying the discipline is 200 points, the minimum number of points is 120 points.

The calculation of the number of points is carried out on the basis of the grades received by the student on a 4-point (national) scale during the study of the discipline, by calculating the arithmetic mean, rounded to two decimal places.

The student receives credit at the last lesson in the discipline based on the results of the test work and current assessment. Only those students who do not have academic debt and their average score for current academic activities in the academic discipline is at least 3.00 (120 points) are allowed to take credit.

The average score for current activities is converted into points on a 200-point scale, according to the conversion table (Table 1). 1. Regulations on the organization of educational activities).

The learning result is also evaluated on a two-point scale (enrolled/not enrolled).

According to the national system	On a 200-point scale
Credited	from 120 to 200 points
not credited	less than 119 points



22 How to find out your score

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).

23 Course Policy

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 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 examination sheet of the scientific and

23

Course Policy

Academic employee is given a grade of "not allowed". Re-passing the exam in the discipline is appointed 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

The main recommendations for effective communication are a corporate email 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 Moodle or Classroom; This is a face-to-face meeting with the teacher on the days of consultations.

27 Course Materials Publication and Distribution Policy

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 Moodle or Classroom; This is a face-to-face meeting with the teacher on the days of consultations.

28 Expected workload and student engagement

Separate hours should be allocated for work in this course for independent study of some lecture materials in accordance with the topic of the course (approximately 3-5 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 timetable
Library
Repository
Directorate of the School Medicine

30 Course Schedule

Title of the lecture topic	Practical classes
Topic 1. Legal and organizational foundations of labor protection. Topic 2. Organization of labor protection in medical institutions and institutions of higher medical education.	1. Oral Survey 2. Practical tasks 3. Tests 4. Situational tasks
Topic 3. Occupational hygiene and physiology, importance for the creation of safe working conditions.	1. Oral Survey 2. Practical tasks 3. Tests 4. Situational tasks
Topic 4. Occupational hazards in the performance of functional duties of medical workers.	1. Oral Survey 2. Practical tasks 3. Tests 4. Labster
Topic 5. Accidents and accidents in health care facilities, their investigation and accounting.	1. Oral Survey 2. Solving practical problems 3. Checking the issues that are submitted for independent study 4. Tests
Topic 6. Safety and labor protection of doctors of various specialties	1. Oral Survey 2. Solving practical problems 3. Checking the issues that are submitted for independent study



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30

Course Schedule

Topic 7. Infectious diseases are dangerous in the work of medical workers.	1. Oral Survey 2. Solving practical problems 3. Tests
Topic 8. Fundamentals of industrial safety of medical workers.	1. Oral Survey 2. Tests 3. Presentation of reports
The study of individual topics does not imply lectures	1. Oral Survey 2. Solving practical and situational problems 3. Tests 4. Exchange of ideas 5. Evaluation of presentations

31

Tips for successful study in the course

Tell me - and I will forget, teach me - and I can remember, involve me - and I will learn, said Benjamin Franklin.

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

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

See you!