

# SYLLABUS

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INTERNATIONAL EUROPEAN  
UNIVERSITY



**SCHOOL OF  
MEDICINE**

**HYGIENE AND OCCUPATIONAL  
DISEASES, HEALTH CARE ORGANIZATION**

**2023**



# SYLLABUS



|                       |  |                                                                                                                                                                               |                          |                                     |
|-----------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------------|
| Course Name           |  |                                                                                                                                                                               |                          |                                     |
|                       |  | HYGIENE AND OCCUPATIONAL DISEASES,<br>HEALTH CARE ORGANIZATION                                                                                                                |                          |                                     |
| Lecturer (s)          |  |                                                                                                                                                                               |                          |                                     |
|                       |  | PhD in Biology, Associate Professor Kovalenko Viktoriia<br>PhD in Medicine, Associate Professor Kopach Kateryna                                                               |                          |                                     |
| Lecturer's profile    |  |                                                                                                                                                                               |                          |                                     |
|                       |  | <a href="https://medicine.ieu.edu.ua/proyemsh/kafedry/kafedra-fundamentalnykh-dystsyplin">https://medicine.ieu.edu.ua/proyemsh/kafedry/kafedra-fundamentalnykh-dystsyplin</a> |                          |                                     |
| Consultations         |  |                                                                                                                                                                               |                          |                                     |
| online consulting     |  | Fourth Tuesday of the month 15:00-16:00                                                                                                                                       |                          |                                     |
| offline consulting    |  | Second Tuesday of the month 15:00-16:00                                                                                                                                       |                          |                                     |
| Contact number        |  |                                                                                                                                                                               |                          |                                     |
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|                       |  | victoriakovalenko@ieu.edu.ua                                                                                                                                                  |                          |                                     |
| Discipline page       |  |                                                                                                                                                                               |                          |                                     |
|                       |  | <a href="https://medicine.ieu.edu.ua/proyemsh/kafedry/kafedra-fundamentalnykh-dystsyplin">https://medicine.ieu.edu.ua/proyemsh/kafedry/kafedra-fundamentalnykh-dystsyplin</a> |                          |                                     |
| Form of final control |  | test                                                                                                                                                                          | def. test                | exam                                |
|                       |  | <input type="checkbox"/>                                                                                                                                                      | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

## 1 Brief discipline annotation

Section 1 "Hygiene and Occupational Diseases" of the discipline involves the study of the impact of the environment and the working environment on the human body, including healthcare workers, in order to substantiate hygiene standards, sanitary norms and rules and preventive measures, the implementation of which provides optimal conditions for life and work, preservation and promotion of health and prevention of diseases. Section 2 "Organization of Health Care" is devoted to the study of the organization and economics of the health care system.

## 2 Background for studying discipline

The discipline "Hygiene and Occupational Diseases, Health Care Organization" has interdisciplinary links with the following disciplines: : "Microbiology, Physiology, Pathophysiology, Hygiene and Ecology, Principles of Evidence-Based Medicine and Research Methodology, Social Medicine, Public Health. The discipline provides the study of the legal and organizational foundations of the health care industry, promotes the formation of a preventive direction of future doctors' activities, taking into account the possible impact on public health of factors of various origins, promotes the formation of an economic outlook and basic competencies in the methodology of economic analysis of medical institutions in modern conditions.

## 3 Purpose and goals of the discipline

**The purpose** of studying the discipline "Hygiene and occupational diseases, health care organization" is to acquire the necessary knowledge, skills and competencies in research, analysis and evaluation of the impact of the environment and production environment on the human body, including health care workers in order to substantiate hygiene standards, sanitary norms and rules and preventive measures, assess the organization, resource provision and activities of the health care system, develop recommendations for improvement of the health care system.

The main objectives of studying Section 1 "Hygiene and Occupational Diseases" are:

- study of natural and anthropogenic environmental factors and social conditions that may affect human health;
- study of the patterns of influence of environmental factors and conditions on the human body or population;
- scientific substantiation and development of hygienic standards, rules and measures to maximize the use of environmental factors that have a positive impact on the human body, eliminate or limit adverse effects to safe levels;
- use of the developed hygienic recommendations, rules and regulations in health care practice and the national economy, verification of their effectiveness and improvement;
- forecasting the sanitary situation in the short and long term, taking into account the plans for the development of the national economy, identifying relevant hygienic problems, and scientific development of these problems.

The main objectives of studying Section 2 "Health Care Organization" are:

- mastering the theoretical foundations and legal framework of the health care system, its functions and strategic directions of development;
- mastering the basics of medical care organization, principles of evaluation of the organization and quality of various types of medical care to the population in the context of health care reform;
- formation of knowledge on the issue of disability assessment, its types, the procedure for organizing and acting as a healthcare professional in specific situations of disability assessment;
- mastering the principles of developing management decisions aimed at improving the activities of health care institutions;
- mastering the basics of economic analysis of the activities of a medical institution;

## 3 Purpose and goals of the discipline

- mastering the principles of analysis and evaluation of financial and economic indicators of economic activity of medical institutions for the purpose of rational use of available resources;
- formation of knowledge on pricing policy, strategic and tactical planning of economic development of a medical institution, environmental factors to improve human health, harden the body, etc.
- mastering the principles of developing management decisions aimed at improving the activities of health care institutions;
- mastering the basics of economic analysis of the activities of a medical institution;
- mastering the principles of analysis and evaluation of financial and economic indicators of economic activity of medical institutions for the purpose of rational use of available resources;
- formation of knowledge on pricing policy, strategic and tactical planning of economic development of a medical institution, environmental factors to improve human health, harden the body, etc.

## 4 Results of the study

### **PLR 1**

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

### **PLR 2**

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

### **PLR 3**

Specialized conceptual knowledge that includes scientific achievements in the field of health care and is the basis for research, critical thinking in the field of medicine and related interdisciplinary issues.

### **PLR 16**

Formulate rational medical routes for patients; organize interaction with colleagues in their own and other institutions, organizations and agencies; apply tools for promoting medical services in the market, based on an analysis of the needs of the population, in the conditions of functioning of a health care institution, its unit, in a competitive environment.

### **PLR 18**

Determine the state of functioning and limitations of a person's vital activity and the duration of disability with the preparation of relevant documents in a health care facility based on data on the disease and its course, the person's professional activity, etc. Maintain medical records for the patient and the population based on regulatory documents.

### **PLR 19**

To plan and implement a system of anti-epidemic and preventive measures against the occurrence and spread of diseases among the population.

### **PLR 21**

Search for relevant information in professional literature and databases and other sources, analyze, evaluate and apply this information.

### **PLR 22**

Apply modern digital technologies, specialized software, statistical methods of data analysis to solve complex healthcare problems.



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## 4 Results of the study

### PLR 23

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

### PLR 24

To organize the necessary level of individual safety (own and of the persons under his/her care) in the event of typical dangerous situations in the individual field of activity.

### PLR 25

Clearly and unambiguously communicate your own knowledge, conclusions and arguments on health care and related issues to specialists and non-specialists.

### PLR 26

Manage work processes in the healthcare sector that are complex, unpredictable and require new strategic approaches, organize the work and professional development of staff, taking into account the acquired skills of effective teamwork, leadership positions, proper quality, accessibility and equity, and ensuring the provision of integrated healthcare.

### PLR 27

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

### PLR 28

Make effective decisions on healthcare issues, assess the resources required, and take into account social, economic, and ethical implications.

## 5 ECTS credits

6 credits / 180 academic hours. Lectures - 24 hours, practical work - 72 hours, independent work - 84 hours.

## 6 Course Content

|                                                                                                                                                                   | Topic title                                                                                                                                                                                                            | Total | Number of hours |                    |                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------|--------------------|-----------------|
|                                                                                                                                                                   |                                                                                                                                                                                                                        |       | Among them      |                    |                 |
|                                                                                                                                                                   |                                                                                                                                                                                                                        |       | Lectures        | Practical training | Individual work |
| Section 1. "Hygiene and occupational diseases"                                                                                                                    |                                                                                                                                                                                                                        |       |                 |                    |                 |
| Content section 1. Hygienic significance of the environment and methods of its study. Hygiene of settlements and housing. Hygiene of water, soil, air environment |                                                                                                                                                                                                                        |       |                 |                    |                 |
| .                                                                                                                                                                 | Methodological and methodological foundations for studying the impact of environmental factors on public health.                                                                                                       | 5     | 2               | 2                  | 1               |
| .                                                                                                                                                                 | Methods of hygienic studies of the environment and its impact on the human body and health. Hygienic assessment of the impact of natural and anthropogenic components of the biosphere on human health and population. | 4     |                 | 2                  | 2               |

|                                                                                                                      |                                                                                                                                                                                                            |            |           |           |           |
|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------|-----------|-----------|
| 1                                                                                                                    | Physical development as an important criterion for assessing the health of children and adolescents.<br>Hygienic requirements for the planning, improvement and equipment of children's institutions.      | 4          |           | 2         | 2         |
| 2                                                                                                                    | Patterns of human radiation exposure in residential areas, its hygienic assessment and ways to reduce it. Radiation hazard and radiation protection at facilities with radiation and nuclear technologies. | 5          |           | 2         | 3         |
| 3                                                                                                                    | Hygienic assessment of radiation protection of personnel and radiation safety of patients when using radionuclides and other sources of ionizing radiation in medical institutions.                        | 4          |           | 2         | 2         |
| 4                                                                                                                    | Organization of sanitary supervision over the accommodation, food and water supply of military formations, the affected population and emergency rescue units.                                             | 4          |           | 2         | 2         |
| <b>Section 2: Organization of health care</b>                                                                        |                                                                                                                                                                                                            |            |           |           |           |
| <b>Content module 3: Health care systems. Types of medical care, their characteristics.</b>                          |                                                                                                                                                                                                            |            |           |           |           |
| 5                                                                                                                    | Health care systems. Reforming the healthcare system in Ukraine.                                                                                                                                           | 4          | 2         |           | 2         |
| 6                                                                                                                    | Legal principles of health care. Medical insurance.                                                                                                                                                        | 4          | 2         |           | 2         |
| 7                                                                                                                    | Types of medical care. Organization of primary health care for the population.                                                                                                                             | 5          |           | 2         | 3         |
| 8                                                                                                                    | Organization of out-of-hospital (specialized and highly specialized) medical care for the population.                                                                                                      | 5          |           | 2         | 3         |
| 9                                                                                                                    | Organization of inpatient medical care for the population.                                                                                                                                                 | 5          |           | 2         | 3         |
| 0                                                                                                                    | Analysis of the activities of the emergency (ambulance) medical service.                                                                                                                                   | 4          |           | 2         | 2         |
| 1                                                                                                                    | Medical and social support for the elderly population. Palliative and hospice care.                                                                                                                        | 4          |           | 2         | 2         |
| 2                                                                                                                    | E-health. National Health Service                                                                                                                                                                          | 5          | 2         |           | 3         |
| <b>Content module 4. Medical care for certain population groups. Medical examination.</b>                            |                                                                                                                                                                                                            |            |           |           |           |
| 3                                                                                                                    | Organization and content of the work of institutions providing obstetric and gynecological care                                                                                                            | 4          |           | 2         | 2         |
| 4                                                                                                                    | Organization of medical care for children, accounting and analysis of institutions' activities                                                                                                             | 4          |           | 2         | 2         |
| 5                                                                                                                    | Features of the organization of medical care for patients with infectious diseases                                                                                                                         | 4          |           | 2         | 2         |
| 6                                                                                                                    | Military medicine: peculiarities of organizing medical care for military personnel.                                                                                                                        | 4          |           | 2         | 2         |
| 7                                                                                                                    | Mental health care.                                                                                                                                                                                        | 4          |           | 2         | 2         |
| 8                                                                                                                    | Organization of the disability examination, the procedure for its implementation.                                                                                                                          | 5          |           | 2         | 3         |
| 9                                                                                                                    | Medical rehabilitation: features of use for different patient populations.                                                                                                                                 | 5          |           | 2         | 3         |
| <b>Content module 5: Management in health care. Assessment of the quality of medical care. Public health system.</b> |                                                                                                                                                                                                            |            |           |           |           |
| 0                                                                                                                    | Methodology for conducting expert assessments of the quality of medical care for the population.                                                                                                           | 5          |           | 2         | 3         |
| 1                                                                                                                    | Analysis of factors affecting the activities of healthcare institutions.                                                                                                                                   | 5          |           | 2         | 3         |
| 2                                                                                                                    | Public health system: organizational structure, main functions, ways of their implementation.                                                                                                              | 5          | 2         |           | 3         |
| 3                                                                                                                    | Health care management. Methodology for making management decisions.                                                                                                                                       | 4          |           | 2         | 2         |
| 4                                                                                                                    | Management and leadership in healthcare                                                                                                                                                                    | 4          |           | 2         | 2         |
| <b>Total hours for the discipline</b>                                                                                |                                                                                                                                                                                                            | <b>150</b> | <b>10</b> | <b>60</b> | <b>80</b> |

1. Hygiene as a science, its place in the work of medical doctors. Purpose, objectives and methods of research. Principles of hygienic standardization.
2. The main directions of scientific research in modern hygiene. Laws of hygiene. Fundamentals of Ukrainian legislation on health care and sanitary and epidemiological well-being of the population.
3. Methodological and methodological bases of studying environmental factors and their impact on public health.
4. Schematic diagram of hygienic control over working conditions, living conditions and environmental factors.
5. General scheme of studying and assessing the relationship between environmental factors and public health.
6. Methodology of qualitative (conceptual) analysis of the state of the environment and "normalized" forecasting of changes in the level of public health by the state of pollution of atmospheric air, water, soil.
7. Methods of quantitative analysis of the state of the environment.
8. Hygiene of labor, physical, psychophysiological training and education of children and adolescents
9. Hygienic requirements for land, buildings and group sections of children's and general educational institutions. The principle of functional zoning and its importance
10. General methodology of current sanitary supervision
11. Sampling and assessment of the nutritional value and quality of food by the doctor on duty. Organization and means of objective control over the health of hospital catering staff and their compliance with personal hygiene requirements.
12. Protection measures against external radiation based on the physical laws of its attenuation (protection by quantity, time, distance, shielding).
13. Basic provisions of the "Radiation Safety Standards of Ukraine (IIRBU-97)" and "Basic Sanitary Rules for Radiation Safety of Ukraine (OSRU-2005)"
14. Basics of organization of sanitary and hygienic measures in case of emergencies
15. Food examination in conditions of possible contamination with radioactive and toxic substances and bacterial agents. Stages, forces, means and methods of examination. Scope and capabilities of laboratory research
16. Hygienic characteristics of the main factors that determine working conditions and prevention of their adverse effects on the body.
17. Hygiene of clothing and footwear. Hygienic evaluation of detergents, fabrics and household products,
18. industrial and hospital clothing
19. Health care reform in Ukraine.
20. Organization of primary health care for the population.
21. Organization of secondary (specialized) medical and preventive care to the population.
22. Medical and social support of the elderly population.
23. Palliative and hospice care.
24. Organization and content of the work of institutions of the system of protection of motherhood and childhood.
25. Analysis of the activities of the emergency (ambulance) medical care service.
26. Mental health care
27. Methodology for conducting expert assessments of the quality of medical care to the population.
28. Analysis of factors influencing the activities of health care institutions.
29. Organization of medical examination of disability.
30. Health care management. Methods of making management decisions. Personnel management.
31. Legal basis of health care. Health insurance.



## 7 List of obligatory tasks

32. E-health.
33. Health care institution as a business entity. Fundamentals of entrepreneurial activity.
34. Features of the formation of market relations in the health care system and marketing activities of medical institutions.
35. Methods of rational use of the resource potential of a medical enterprise.
36. Systems of financing of health care institutions. Economic evaluation of the effectiveness of investment projects.
37. Methods of pricing and price regulation in the health care system.
38. Economic analysis and methods of economic evaluation in the field of health care.
39. Modern methods of economic analysis in the health care system

## 8 List of selective tasks

1. Create situational test tasks
2. Create multimedia presentations on the topics of practical classes
4. Creating biological crosswords on the topics of practical classes
5. Participation in student scientific and practical conferences
6. Organization and visiting of thematic museums
7. Publication of abstracts of scientific conference reports in co-authorship with a teacher

## 9 Discipline features

| Period of teaching | Semester | International disciplinary integration | Year of study | Courses: general training/ professional training/elective |
|--------------------|----------|----------------------------------------|---------------|-----------------------------------------------------------|
| 1 semester         | 12       | yes                                    | 6             | General training                                          |

## 10 Assessment system and requirements. General system of discipline assessment

Current student performance is assessed according to the 4-point scale (2; 3; 4; 5) during every practical class given the approved assessment criteria for a corresponding discipline. Students should obtain a grade in each topic for further conversion of grades into points due to the multi-point (200-point) scale.

Assessment criteria of current learning activities:

Excellent (5) – students answer correctly to 90-100% of A-format tests (from the Krok-2 database); solve case problems and can generalize the material.

Good (4) – students answer correctly to 70-89% of A-format tests; have necessary practical skills and techniques of their performance in the volume exceeding the required minimum.

Satisfactory (3) – students answer correctly to 50-69% of A-format tests; have an obligatory minimum of research methods.

Failure (2) – students answer correctly to 50% of questions, make significant, serious mistakes while answering and showing practical skills.

Students' independent work related to preparations for practical classroom activities is assessed during current control of a topic during a corresponding class.

A semester Pass/Fail test is assessed due to the two-point scale (Pass/Fail) and 200-point scale by defining the arithmetic average of current grades for each practical class due to the 4-point scale and by its further conversion into points of the 200-point scale. Minimum amount of points that should be obtained by students: 120.





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## 10 Assessment system and requirements. General system of discipline assessment

The final control of knowledge in the Physiology discipline is conducted in the form of an exam. The exam is conducted in the form of a written test work with individual options, each one containing 3 theoretical questions.

<https://ieu.edu.ua/docs/rate-of-study.pdf>

## 11 Assessment system and requirements. General system of discipline assessment

Students who have completed all types of work, tasks provided for in the curriculum for the semester in accordance with the discipline, attended all classes provided for in the curriculum, written and submitted a medical history and have an average score for current academic activities of at least "3" (72 points on a 120-point scale) are allowed to take part in the semester final control

<https://ieu.edu.ua/docs/rate-of-study.pdf>

## 12 Admission to final control

The study of the discipline "Hygiene and Ecology" requires compliance with the rules that ensure effective mastery of the subject, both in theory and in practice, namely

- regular, without absences, attendance at lectures and practical classes
- the presence of the teacher and students in the classroom in accordance with the schedule and the established time regulations of classes
- the presence of the teacher and students in the classroom neatly dressed in appropriate clothing, namely in a white coat
- full presentation of the course by the teacher in accordance with the program of the discipline
- student's keeping lecture notes and notes on practical classes
- the study of the discipline is based on collegiality, cooperation and solidarity of the teacher and students
- discussion of educational issues takes place in the form of a discussion between the teacher and students, and students among themselves
- lectures and practical classes, except for the final control of knowledge, involve independent work of students using information technology and means of processing, storing and transmitting information, including computers, personal gadgets and other electronic devices, as well as textbooks, manuals, methodological developments, etc.
- scientific search and research work of students is welcome
- writing essays on the topics defined in the list of compulsory assignments is a part of the training
- writing essays on the list of topics of optional assignments is desirable and mandatory if a student wants to improve his or her grade
- the topics of the discipline are considered in terms of their practical application and bioethical capacity
- the mutual behavior of the teacher and students, and students among themselves in the classroom and out of class time complies with generally accepted norms and role models of behavior that provide for mutual respect and collegiality of relationships, and exclude religious, racial, ethnic, cultural, age, gender, social, political, and other prejudices and prejudices, as well as bullying, sexual harassment, and other manifestations and forms of intolerance and humiliation of human dignity
- any manifestations of corruption in the educational process, both on the part of the teacher and students, are unacceptable.



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## 13 Discipline policy

A student who, for valid reasons, confirmed by documentary evidence, 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 valid reasons, did not participate in current control activities, did not eliminate academic debt, is not allowed to take the final semester control of knowledge in this discipline, and on the day of the exam, the academic staff member gives a grade of "not admitted" in the examination record.

Retaking the differentiated test in the discipline is assigned subject to the completion of all types of educational, independent (individual) work provided for by the working curriculum of the discipline and is carried out in accordance with the schedule of liquidation of academic debt approved by the directorate.  
<https://ie.u.edu.ua/docs/050.pdf>

## 14 Policy of absence and late task performance

Participants in the educational process are guided by the principles of academic integrity  
<https://ie.u.edu.ua/docs/011.pdf>

## 15 Recommended sources of information

### Primary literature:

For Chapter 1 "Hygiene and occupational diseases"

1. Basic literature (basic) :

1. Hygiene and ecology: a textbook / [V. Bardov, S. Omelchuk, N. Merezhkina, et al: New Book, 2020. 572 p.
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.
3. Fundamentals of ecology and preventive medicine: a textbook / D.O. Lastkov, I.V. Serhita, O.V. Shvydkyi et al: VSV "Medicine", 2017. - 472 p.
4. General hygiene. Social and hygienic monitoring: a textbook for universities / P.I. Melnichenko [et al. - Moscow: Practical Medicine, 2015. 512 p.
5. Fundamentals of ecology: a textbook for students of higher educational institutions / [V.G. Bardov, V.I. Fedorenko, E.M. Biletska et al: Nova Knyha, 2013. 424 p.
6. Hygiene with the basics of ecology: a study guide (universities of I-III years of study) / L.V. Dovzhenko. Dovzhenko, I.K. Lin'kova. - Kyiv: "Medicine", 2017. - 49 p.
7. Radiation hygiene / V.O. Murashko, D.S. Mechev, V.G. Bardov et al: Nova Knyha, 2013. 376 p.

### 2. Supporting literature:

1. Infectious diseases: textbook / V.M. Kozko, G.O. Solomennyk, K.V. Yurko et al.
2. Introduction to the new paradigm of health care. Health and fitness. - Kyiv: Yurka Yubchenko Publishing House. 2020, 287 c.
3. Healthy lifestyle. Study guide by Olga Ezhova. - Kyiv: University Book, 2017. - 127 p.
4. Dmytrotso O. The assessment of motor activity of the high school students during COVID-19 pandemic // Health security the cross-border cooperation area of the Poland- Belarus-Ukraine program (May 19-21, 2021, Lutsk).
5. Dmytrotso O. Features of indicators of dental health of smokers depending on the duration of smoking / O. Dmytrotso, I. Kotsan, A. Morenko, S. Shvayko, N. Yanko, A. Poruchynskyi, N. Shevchuk // Wiadomości Lekarskie 2018, tom LXXI, nr 4. - P. 937 (based on the materials of the All-Ukrainian scientific and practical conference with international participation "Poltava Public Health Days", Poltava - May 24-25, 2018.

6. Fundamentals of Preventive Medicine: Textbook / P. Bebeshko, Y. Skorobekha, O. Korinyak - 2nd edition, revised and supplemented - K.: VSV "Medicine", 2011. 184 p. - Stamp of the Ministry of Health. 400 p.
7. Hygiene of children and adolescents: a manual for students of universities of III-IV accreditation levels / edited by M.M. Nadvornyi. Odesa: Press-courier, 2014. 263 c.
8. Electronic manual for studying the course "School hygiene and peculiarities of hygienic education of children and adolescents in specialized institutions" / P.M. Polushkin Donetsk: DNU, 2014. 176 c.
9. Sanitary regulations for general secondary education institutions <https://eo.gov.ua/2020/12/15/novy-sanitarnyy-rehlament-dlia-shkil-shchozminylosia/>
10. Physical development of the child: a textbook for 3rd year students of the medical faculty / O.G. Ivanko, M.V. Patsera, N.V. Kyzyma [et al: [ZSMU], 2013. 65 c.
11. Indicators of oxygen saturation in the blood of schoolchildren living in radioactively contaminated areas // Scientific and practical conference dedicated to the sixteenth Marzeyev readings "Physical factors of the environment and their impact on the formation of health of the population of Ukraine": Collection of abstracts, Issue 20 // Organizing committee: A.M. Serdyuk (Chairman) [et al. 2020. 244 c.
12. Hygiene and ecology in terms, diagrams, tables and tests: study guide V.F. Moskalenko, O.P. Yavorovsky, D.O. Lastkov, S.I. Garkavy and others. K.: VSV "Medicine", 2012. - 208 c.
13. Chaplyk V.V. Emergency medicine: a textbook for students of higher medical schools / Chaplyk V.V., Oliynyk P.V., Omelchuk S.T. - Vinnytsia: New book, 2012. - 352 c

## Information resources

1. Ministry of Health of Ukraine <https://moz.gov.ua/>
2. Center for Public Health <https://phc.org.ua/>
3. <https://zakon.rada.gov.ua/laws/show/1005/96>
4. <https://zakon.rada.gov.ua/rada/show/v0062282-97#Text>

## To Section 2 "Organization of health care"

### Basic (core)

1. Public health and behavioral economics / Kurganska VO, Smiyanov VA, Smiyanova OI // Bulletin of Social Hygiene and Health Care Organization of Ukraine. - 2019. - №2 (80). - C. 33-39.
2. Rational and safe nutrition as the basis of public health: a textbook / A G. Dyachenko, V. A. Kurganskaya, V. V. Kasyanchuk et al: Sumy State University, 2017. - 354 p.
3. Golyachenko O.M. Social medicine and health care organization - Kyiv: VSV "Medicine", 2011. 208 p.
4. Public health: national textbook / V.F.Moskalenko, O.P.Gulchiy, T.S.Gruzieva and others, ed. by V.F.Moskalenko; Ministry of Health of Ukraine; Bogomolets National Medical University - 3rd edition. Vinnytsia: New Book, 2013. 560 p.
5. Collection of test tasks for state examinations in hygiene, social medicine, organization and economics of health care / ed. V.F. Moskalenko, V.G. Bardov, O.P. Yavorsky - Vinnytsia: New Book, 2012. 200 p.
6. Health care economics: Textbook / V.F.Moskalenko, O.P.Gulchiy, V.V.Ruden and others; edited by V.F.Moskalenko.- Vinnytsia: New Book, 2010. 288 p.
7. Baeva O.V. Insurance medicine and health insurance: a textbook / O.V. Baeva - K.: Personnel Publishing House, 2013.
8. Bayeva O.V., Cheban V.I. Economics and entrepreneurship in health care. Study guide - Chernivtsi: BSMU Publishing House, 2013. 360 p.
9. Solonenko N.D. Health care economics: a textbook / K.: SE "Vid.dim "Personnel", 2014.408 p.
10. Baeva O.V., Cheban V.I. Management and organization of work of medical and preventive institutions. Study guide. Part 1 Chernivtsi: BSMU Publishing House - 2013. - 372 p.
11. Management and organization of work of medical and preventive institutions. Chernivtsi: BSMU Publishing House. Part 2 - 2013. - 308 p.

**Supporting:**

1. Bayeva O.V. Management in the field of health care: Study guide.-K.: TsUL, 2008, 640 p.
2. Health care of Ukraine: state, problems, prospects / L.A. Chepelevska, O.R. Sitenko, V.V. Bednyi and others; edited by. Lazoryshynets. - K.: 2014. - 607 p.
3. Health care in Ukraine: organization and legislative support: monograph / A.I. Kozachenko, V.M. Pashkov, V.P. Lysak and others, under the editorship of V.P. Lysak. Edited by V.P. Lysak, V.M. Pashkov, I.A. Holovanova - K.: MORION, 2014. 335 p.
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18. Resolution of the Cabinet of Ministers of Ukraine "On Approval of the Model Regulations on the Center for Emergency Medical Care and Disaster Medicine" of February 8, 2012, No. 84.
19. Order of the Ministry of Healthcare of Ukraine "On Approval of Lists of Healthcare Institutions, Medical, Pharmacy and Junior Specialist Positions with Pharmaceutical Education in Healthcare Institutions" of 12.11.2002, No. 385 (as amended by the Order of the Ministry of Healthcare of Ukraine of March 17, 2003, No. 114).
20. The Law of Ukraine "On the Procedure for Reforming the Health Care System in Vinnytsia, Dnipropetrovsk, Donetsk Regions and the City of Kyiv" // VVR.2011, No. 3612-VI.
21. Draft Law of Ukraine "On Health Care Institutions"



# SYLLABUS



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## Recommended sources of information

22. Order of the Ministry of Health of Ukraine "Procedure for the organization of medical care and referral of patients to health care facilities providing secondary (specialized) and tertiary (highly specialized) medical care" of 05.10.2011 N 646
23. Order of the Ministry of Health of Ukraine "On Approval of Model Regulations on Health Care Institutions" of 30.12.2011 No. 1008
24. Order of the Ministry of Health of Ukraine "On Approval of the Exemplary Equipment List for Treatment and Preventive Units of Health Care Institutions Providing Primary Medical (Health Care) Assistance" of 23.02.2012 No. 132
25. Order of the Ministry of Health of Ukraine "On Approval of the Model Regulations on the Primary Health Care Center and Model Regulations on its Subdivisions" of 23.02.2012 No. 131
26. Order of the Ministry of Health of Ukraine "On Approval of the Exemplary List of Laboratory Tests Performed in the Provision of Primary Health Care to the Population" of 23.02.2012 No. 130
27. The Order of the Ministry of Health of Ukraine "On Approval of the Approximate Staffing Standards of the Primary Health Care Center" of 23.02.2012 No. 129

### Information resources

1. World Health Organization [www.who.int](http://www.who.int)
2. European database "Health for All" [www.euro.who.int/ru/home](http://www.euro.who.int/ru/home)
3. Cochrane Center for Evidence-Based Medicine [www.cebm.net](http://www.cebm.net)
4. Cochrane Library [www.cochrane.org](http://www.cochrane.org)
5. US National Library of Medicine - MEDLINE [www.ncbi.nlm.nih.gov/PubMed](http://www.ncbi.nlm.nih.gov/PubMed)
6. Canadian Center for Evidence in Health Care [www.cche.net](http://www.cche.net)
7. Center for Disease Control and Prevention [www.cdc.gov](http://www.cdc.gov)
8. Center for Public Health of the Ministry of Health of Ukraine [www.phc.org.ua](http://www.phc.org.ua)
9. Ukrainian database of medical and statistical information "Health for All":  
<http://medstat.gov.ua/ukr/news.html?id=203>
10. British Medical Journal [www.bmj.com](http://www.bmj.com)
11. Journal of Evidence-Based Medicine [www.evidence-basedmedicine.com](http://www.evidence-basedmedicine.com)
12. <http://zakon3.rada.ua/lows>
13. <http://mozdocs.riev.ua>
14. <http://euro.who.int>
15. [www.moz.gov.ua](http://www.moz.gov.ua)

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## Tips on successful study during the course

**Attendance at classes!**

**Dialogue with the teacher on all issues of the curriculum Completion of assignments in accordance with the program!**

**Writing essays on the topics of the program!**

**Discussion of topics and assignments in groups outside of class time Use of Internet resources!**