

Syllabus of the academic discipline
"Hospital hygiene and disease prevention in healthcare institutions"

Scope of the academic discipline	Total number of hours per discipline: 90 hours, 3 credits Semesters: XII 6th year of study
Days, time, place of training disciplines	According to the schedule of classes. Department of Hygiene and Medical Ecology, Odesa, str. Pasteur 11
Teachers	Professor Babienko Volodymyr Volodymyrovych, Doctor of Medicine, Doctor of Science in Technology Doctor of Medicine Associate Professor Kobolev Evgeny Volodymyrovych Doctor of Medicine Associate Professor Horoshkov Oleg Vitaliyovych Senior teacher Sheikh Ali Dani Huseynovych Senior teacher Shanygin Anton Viktorovych Senior teacher Vatan Maya Mykolaivna
Contact Information	Help by phone: Sheikh Ali Dani Husseynovych, head of the department 063-765-08-18 E-mail: shejx.ali@onmedu.edu.ua Face-to-face consultations: from 2:00 p.m. to 5:00 p.m. every Thursday, from 9:00 a.m. to 2:00 p.m. every Saturday Online consultations: from 4:00 p.m. to 6:00 p.m. every Thursday, from 9:00 a.m. to 2:00 p.m. every Saturday by appointment. A link to an online consultation is provided to each group during classes separately.

COMMUNICATION

Communication with applicants will be conducted in the classroom (face-to-face). During distance learning, communication is carried out through the Microsoft Teams platform, as well as through e-mail correspondence, the Telegram messenger (through the groups created for each group, separately through the head of the group).

ABSTRACT OF THE EDUCATIONAL DISCIPLINE

The subject of study of the discipline is disease prevention in health care institutions
Prerequisites and post-requisites of the discipline (place of the discipline in the educational program):

Prerequisites: Ukrainian language (by professional direction), foreign language (by professional direction), Latin language and medical terminology, medical biology, medical and biological physics, biological and bioorganic chemistry, human anatomy, histology, cytology and embryology, physiology, microbiology, virology and immunology, life safety; basics of bioethics and biosafety, pathomorphology, pathophysiology, pharmacology, propaedeutics of pediatrics, medical psychology, otorhinolaryngology, ophthalmology, neurology, psychiatry, narcology, dermatology, venereology.

Postrequisites: hygiene and ecology, internal medicine, surgery, obstetrics and gynecology, infectious diseases, epidemiology and principles of evidence-based medicine, oncology and radiation medicine, traumatology and orthopedics, phthysiology, anesthesiology and intensive care, emergency and emergency medical care, hygiene and ecology, palliative and hospice medicine, general practice (family medicine).

The purpose of the discipline: To acquaint applicants with the hygienic regulation of the design, construction and sanitary-technical equipment of hospital complexes and their internal planning, ensuring optimal parameters of the microclimate, air environment and lighting, prevention of intra-hospital infections

Tasks of the discipline:

As a result of studying the academic discipline, the applicant must:

Know:

- Aspects of a safe hospital environment
- Methods of preventing and reducing the level of risk, the number of accidents, morbidity and the scale of damage in health care facilities

Be able:

- Analyze: hygienic conditions and harmful factors affecting the effectiveness of treatment of patients and the health of medical workers.
- Explain: basic hygienic requirements for planning, equipment, regime, operation of medical, diagnostic, auxiliary and household units of the hospital environment.
- Classify: harmful and dangerous factors of various units of health care.
- Interpret: legislative and organizational measures to ensure the optimal regime, hygienic conditions for patients and occupational health and safety of medical

workers.

- To analyze: hygienic standards of the microclimate, air environment, ventilation, natural and artificial lighting of various departments of the hospital, their significance in relation to the effectiveness of treatment of patients and working conditions of medical personnel.
- Compile: a sanitary survey and determine objective indicators of the hygienic condition of various units of health care facilities.

DESCRIPTION OF THE EDUCATIONAL DISCIPLINE

Forms and methods of education

The discipline will be taught in the form of seminar classes (30 hours); organization of the applicant's independent work (60 hours).

Teaching methods: conversation, solving clinical situational problems, working with laboratory devices, solving test problems.

Content of the academic discipline

HOSPITAL HYGIENE AND DISEASE PREVENTION IN HEALTH CARE INSTITUTIONS

Topic 1. Hospital environment and its components. Basics of staff and patient safety.

Topic 2. Healthcare system management methodology: identification, assessment and management of risks.

Topic 3. Peculiarities of patients' stay and working conditions of staff in the main departments of health care facilities.

Topic 4. Methodology of physiological and hygienic assessment of the doctor's profession.

Topic 5 Ergonomic requirements for the workplace of medical personnel.

Topic 6. Methods of identifying chronic fatigue and professional burnout of medical workers.

Topic 7 Ways of maintaining working capacity.

Topic 8. Methodology for developing rational modes of work and rest. Topic 9. Methods of assessing the health of a healthy person.

Topic 10. Tasks and methods of implementation of infection control as a component of the safety of the hospital environment.

Topic 11. Measures and means to prevent infection of staff and patients with the most common infectious diseases.

Topic 12. Rules for handling medical waste in health care facilities.

Topic 13. Prevention of harmful and dangerous effects of hospital environment factors on the body of patients and medical workers.

Topic 14 Prevention of occupational diseases among workers in the field of diagnostic medicine.

Topic 15 Credit lesson

List of recommended literature:

Main:

1. Hygiene propaedeutics; textbook: in 2 vols. T1/ V.V., Babienko, A.V. Mokienko – Odesa: Press Courier, 2022. 400 p.
2. Hygiene propaedeutics; textbook: in 2 volumes T2/ V.V. Babienko, A.V. Mokienko – Odesa: Press Courier, 2022. 400 p.
3. Water hygiene and water supply of populated areas: a study guide/ Babienko V.V., Mokienko A.V. – Odesa: Press Courier, 2021, 327 p.

Additional:

1. Pharmaceutical hygiene.: study guide/ V.V., Babienko, A.V. Mokienko, O.A. Gruzevskiy - Odesa: Press-courier, 2022. 324 p.
2. "Hygiene in the practice of a dentist"; educational and methodological manual/ Babienko V.V., Mokiienko A.V., Kobolev E.V./ Odesa: Press-courier. 2022 180 p.

Electronic information resources

1. <http://moz.gov.ua> – Ministry of Health of Ukraine
2. www.ama-assn.org - American Medical Association / AmericanMedicalAssociation
3. www.who.int - World Health Organization
4. www.dec.gov.ua/mtd/home/ - State Expert Center of the Ministry of Health of Ukraine
5. <http://bma.org.uk> - British Medical Association
6. www.gmc-uk.org - General Medical Council (GMC)
7. www.bundesaerztekammer.de – German Medical Association.

EVALUATION

Forms and methods of ongoing control: conversation, solving situational problems, practicing skills, filling out protocols on the topic of classes, performing laboratory tests

Current evaluation criteria in practical training

Assessment	The structure of assessment of the current educational activity of one seminar session
Perfectly "5"	The acquirer is fluent in the material, actively participates in a role-playing game, confidently demonstrates practical skills

	during the examination of a healthy and sick child and the interpretation of clinical, laboratory and instrumental research data, expresses his opinion on the topic of the lesson, demonstrates clinical thinking.
Fine "4"	The student has a good command of the material, participates in the discussion and solution of the situational problem, demonstrates practical skills during laboratory and research with some errors, expresses his opinion on the topic of the lesson, demonstrates clinical thinking.
Satisfactorily "3"	The applicant does not have sufficient knowledge of the material, participates uncertainly in the discussion and solution of the situational problem, demonstrates the practical skills of laboratory research with significant errors.
Unsatisfactorily "2"	The applicant does not possess the material, does not participate in the discussion and solution of the situational problem, does not demonstrate the practical skills of laboratory research.

Forms and methods of final control: assessment, at the last session of the educational component.

- the grade "credited" is given to the applicant who has completed the work program of the educational component and has no academic debt; the level of competence is high (creative);

– the grade "failed" is given to the applicant who has not completed the work program of the educational component, has academic debt (average score lower than 3.0 (120 points) and/or missed classes); the level of competence is low (receptive-productive)

Possibility and conditions of obtaining additional (bonus) points: not provided.

INDEPENDENT WORK OF HIGHER EDUCATION ACQUIRES

Independent work involves preparation for each practical session.

EDUCATIONAL DISCIPLINE POLICY

Deadlines and Rescheduling Policy:

- Absences of classes for non-respectable reasons are worked out according to the schedule of the teacher on duty.
- Absences due to valid reasons are processed according to an individual schedule with the permission of the dean's office.

Academic Integrity Policy:

Applicants must observe academic integrity, namely:

- independent performance of all types of work, tasks, forms of control provided for by the work program of this educational discipline;
- references to sources of information in the case of using ideas, developments, statements, information;
- compliance with the legislation on copyright and related rights;
- provision of reliable information about the results of one's own educational (scientific) activity, used research methods and sources of information.

Unacceptable in educational activities for participants of the educational process are:

- using family or official ties to obtain a positive or higher grade during any form of control of learning outcomes or academic performance;
- use of prohibited auxiliary materials or technical means (cheat sheets, notes, micro-earphones, telephones, smartphones, tablets, etc.) during control measures;
- passing procedures for control of training results by fake persons.

For violation of academic integrity, students may be held to the following academic responsibility:

- a decrease in the results of assessment of control work, assessment in class, credit, etc.;
- retaking the assessment (control work, credit, etc.);
- appointment of additional control measures (additional individual tasks, control works, tests, etc.);
- conducting an additional inspection of other works authored by the violator.

Attendance and Tardiness Policy:

Uniform: medical gown Equipment: notebook, pen.

State of health: applicants suffering from acute infectious diseases, including respiratory diseases, are not allowed to attend classes.

A student who is late for class can attend it, but if the teacher has put "nb" in the journal, he must complete it in the general order.

Use of mobile devices:

Mobile devices may be used by students with the permission of the instructor if they are needed for the assignment.

Behavior in the audience:

The behavior of applicants and teachers in the classrooms must be working and calm, strictly comply with the rules established by the Regulations on academic integrity and ethics of academic relations at Odessa National Medical University, in accordance with the Code of Academic Ethics and University Community Relations

of Odessa National Medical University, Regulations on Prevention and detection of academic plagiarism in the research and educational work of students of higher education, scientists and teachers of Odessa National Medical University.