

EUROPEAN MEDICAL UNIVERSITY

SYLLABUS OF THE EDUCATIONAL DISCIPLINE "HYGIENE AND ECOLOGY"

Cycle of Higher Education:	second cycle of higher education (Master's degree)
Field of Study:	22 «Healthcare»
Specialty:	222 «Medicine»
Educational qualification:	Master of Medicine
Professional qualification:	doctor

Teachers:

Associate professor Helena Antonova

phone:067-955-73-84

E-mail: antonovlad@gmail.com

Name, Code of the discipline and number of credits**SYLLABUS OF THE EDUCATIONAL DISCIPLINE "HYGIENE AND ECOLOGY"**

Cycle of Higher Education: second cycle of higher education (Master's degree)

Field of Study: 22 «Healthcare»

Specialty: 222 «Medicine» (2 course and 6 course)

Educational qualification: Master of Medicine

Professional qualification: doctor

Course and semester: 2 course 4 semester and 6 course.

Number of credits ECTS (number of hours): 8 credits ECTS (240 hours).

Distribution by types of trainings and hours of study – Lectures 18 hours, Practical lessons – 92 hours (62 hours of 2 course, 30 hours of 6 course)

Independent work – 130 hours (100 hours of course, 30 hours of 6 course)

Time and place of educational discipline

Course and semester: 2 course 4 semester and 6 course.

dp1funddis@dmitnm.edu.ua, 18 Titova Str.; ave. Bogdan Khmelnytsky 19, Dnipro

Interdisciplinary links: Hygiene and Ecology as a discipline is based on knowledge of the main natural sciences: philosophy, computer science, ethics, medical biology, human anatomy, normal physiology, biomedical physics, microbiology, virology, immunology and epidemiology, general chemistry and biochemistry, hygiene and ecology, pathological physiology, life safety, internal medicine, radiation medicine, bioethics, basics of labor protection and integrates with these disciplines.

1. The purpose and objectives of the discipline.

1.1. The purpose of teaching the discipline "Hygiene and Ecology" is to study the theoretical foundations of preventive medicine as a science, which is the basis of the preventive component of the professional worldview of a specialist in "Medicine", students master the necessary knowledge, skills, actions, goals, skills study of the discipline in accordance with the "Standard of Higher Education" in the specialty "221 Medicine".

1.2. The main **tasks** of the discipline " Hygiene and Ecology" are:

- interpretation of the basic laws of hygienic science and general patterns of connection of health with the factors and conditions of the living environment;
- analysis and assessment of the impact of environmental factors on the general and dental health of the population;
- mastering the methods of hygienic assessment of environmental factors and their impact on public health;
- substantiation of hygienic measures for the prevention of dental diseases in accordance with the current legislation of Ukraine;
- use of positive properties of environmental factors for primary, secondary, tertiary prevention of common diseases and diseases of the dental system;
- making knowledge about the negative factors of the environment, determining their relationship with the state of dental health;
- use of knowledge for the development of preventive measures, including dental orientation;
- ability to plan hygienic measures to prevent the spread of common and dental diseases, to assess their effectiveness;
- substantiation of hygienic measures for observance of a healthy way of life, personal hygiene, occupational hygiene, medical and protective mode of dental institutions, to plan their introduction into health care practice;

-mastery of the basics of ethics, deontology, bioethics, the use of methods of psychohygiene and psychoprophylaxis in communication with patients and staff of medical institutions.

1.3 Competences and learning outcomes

Competencies.

General competencies (GC):

GC 1	Ability to think abstractly, analyses and synthesize.
GC 2	Ability to learn and master modern knowledge.
GC 3	Ability to apply knowledge in practical situations.
GC 4	Knowledge and understanding of the subject area and understanding of professional activities.
GC 6	Ability to make justified decisions.
GC 7	Ability to work in a team.
GC 8	Ability for interpersonal interaction.
GC 10	Ability to use information and communication technologies.
GC 11	Ability to search, process and analyses information from various sources.
GC 12	Certainty and perseverance in relation to the tasks set and responsibilities assumed.

Special (professional, subject) competencies (SC):

SC 1	Ability to collect medical information about a patient and analyses clinical data.
SC 2	Ability to determine the necessary list of laboratory and instrumental studies and evaluate their results.
SC 4	Ability to determine the necessary mode of work and rest in the treatment and prevention of diseases.
SC 5	Ability to determine the nature of nutrition in the treatment and prevention of diseases.
SC 11	Ability to solve medical problems in new or unfamiliar environments in case of incomplete or limited information considering aspects of social and ethical responsibility.
SC 13	Ability to carry out sanitation and hygiene and preventive measures.
SC 14	Ability to plan and carry out preventive and anti-epidemic measures against infectious diseases.
SC 16	Ability to maintain medical records, including electronic forms.
SC 17	Ability to assess the impact of the environment, socio-economic and biological determinants on health of an individual, family, and population
SC 20	Ability to conduct epidemiological and medical-statistical studies of public health; processing social, economic and medical information.
SC 21	Clearly and unambiguously deliver own knowledge, conclusions and arguments on health issues and related issues to specialists and non-specialists, in particular to students.
SC 23	Ability to develop and implement scientific and applied projects in the healthcare sector.
SC 25	Compliance with professional and academic integrity, being responsible for reliability of the obtained scientific results.

Program learning outcomes (PLO):

PLO 1	Have a thorough knowledge of the structure of professional activity. Be able to carry out professional activities that require updating and integrating knowledge. Be responsible for professional development, the ability to further professional training with a high level of autonomy.
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PLO 2	Understanding and knowledge of fundamental and clinical biomedical sciences at a level sufficient to solve professional problems in the field of healthcare.
PLO 3	Specialized conceptual knowledge that includes scientific achievements in the field of healthcare and is the basis for conducting research, critical understanding of problems in the field of Medicine and related interdisciplinary problems.
PLO 7	Prescribing and analyzing additional (mandatory and optional) examination methods (laboratory, functional and/or instrumental) (according to list 4), patients with diseases of organs and body systems for differential diagnosis of diseases (according to list 2).
PLO 8	Determining the main clinical syndrome or the cause of the severity of the victim's condition (according to list 3) by making a justified decision and assessing the person's condition under any circumstances (in the conditions of a health care institution, outside it), including in an emergency situation and combat operations, in the field, in conditions of lack of information and limited time.
PLO 19	Planning and implementing a system of anti-epidemic and preventive measures for the occurrence and spread of diseases among the population.
PLO 20	Analyzing the epidemiological state and implementing measures of mass and individual, general and local prevention of infectious diseases.
PLO 21	Searching for the necessary information in professional literature and databases of other sources, analyzing, evaluating and applying this information.
PLO 23	Assessing impact of the environment on human health to assess the state of morbidity in the population.
PLO 24	Providing the necessary level of individual safety (your own and those you care about) in case of typical dangerous situations in the individual field of activity.

2. Topics of the lectures of 2 course

№ topics	Name of the topics	Number of hours
1	Scientific bases of hygiene and ecology; content, purpose and objectives.	2
2	Hygienic value of solar radiation, atmospheric air and climatic conditions.	2
3	Hygienic value of water as the environmental factor.	2
4	Scientific basics of rational human nutrition. Alimentary diseases and their prevention.	2
5	Scientific bases of hygienic provision of harmonious growth and development, preservation and strengthening of health of children and adolescents.	2
6	Hygiene of medical and preventive institutions. Basics of the medical and protective regime and occupational hygiene of the medical staff in the hospital. Nosocomial infections and their prevention.	2
7	Radiation pollution of the environment and the basics of anti-radiation protection of medical workers and patients in medical and preventive institutions.	2
8	Hygiene and physiology of work as a science. The main areas of optimization of working conditions and prevention of occupational diseases.	2
9	Personal hygiene and healthy lifestyle.	2
Total		18

3. Topics of the practical lessons of 2 course

№ topics	Name of the topics	Number of hours
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1.	The place and importance of hygiene in the system of medical sciences and the practical activity of a doctor	2
2.	Methods of determining and hygienic assessment of temperature, humidity and air movement speed	3
3.	Hygienic assessment of the influence of the heating microclimate on human heat exchange	3
4.	The method of hygienic assessment of the influence of climate and weather conditions on human health. Acclimatization	3
5.	Methods of determining and hygienic assessment of natural lighting of premises	3
6.	Methods of determination and hygienic assessment of artificial lighting of premises	3
7.	Methodology for evaluating drinking water based on the results of laboratory analysis of samples	3
8.	Physiological-hygienic evaluation of the adequacy of nutrition according to the set menu. Assessment of vitamin availability of the human body	3
9.	Methodology for estimating human energy expenditure and its needs in food substances	3
10.	Methods of determination and assessment of nutritional status	3
11.	Prevention of alimentary and alimentary-related diseases. Methods of investigating cases of food poisoning	3
12.	Research methodology and assessment of the impact of environmental factors on the health of the population	3
13.	Hygienic basics of strengthening and preserving the health of children and adolescents	3
14.	Hygienic requirements for construction and arrangement of medical and preventive facilities	3
15.	The basics of preventive sanitary supervision and the method of hygienic assessment of the refinery project. Hygienic examination of the general plan of the hospital	3
16.	Hygienic requirements for internal planning of hospital departments. Peculiarities of the planning of specialized departments of hospitals	3
17.	Hygienic assessment of conditions of stay of patients in hospital wards and occupational hygiene of medical workers in medical and preventive institutions	3
18.	Hygienic provision of radiation safety in radiological departments of hospitals.	3
19.	Principles of ensuring radiation safety in X-ray rooms	3
20.	Personal hygiene, healthy lifestyle. Hygienic evaluation of detergents, fabrics and household, industrial, and hospital clothing	3
21.	Methods of psychohygiene, psychoprophylaxis, medical biorhythmology and chronohygiene	3
Total		62

Topics of the practical lessons of 6 course

№ topics	Name of the topics of 6 course	Number of hours
1	Water hygiene and water supply of settlements. Sanitary protection of water bodies	3
2	Sanitary protection of atmospheric air. Hygiene planning of settlements	3
3	Hygiene of residential and public buildings and structures	3
4	Peculiarities of hygienic requirements for planning, operation and conditions of stay of patients in medical and preventive institutions. A set of hygienic measures for the prevention of nosocomial infections	3

5	Nutrition in preventive medicine. Organization of medical and preventive nutrition at industrial enterprises	3
6	Medical control over the organization of medical (dietary) nutrition in medical and preventive institutions and in the public catering system	3
7	Legislative basis for sanitary supervision of the organization and conduct of preventive medical examinations and investigation of occupational diseases at industrial enterprises	4
8	Comprehensive assessment of the state of health of children and adolescents in organized teams and hygienic assessment of the organization of the educational process in preschool and school	4
9	Application of the system of radiation hygiene regulations in the conditions of practical activity, medical practice for the use of ionizing sources of natural origin	4
Total		30

4. Topics of the independent work

Topics of 2 course

№ topics	Name of the topics	Number of hours
1.	The history of hygiene. Methods and techniques of hygienic research, their classification	6
2.	Methods of determination and hygienic assessment of dust, chemical and bacteriological air pollution	8
3.	Atmosphere and its structure, biosphere. Features of acclimatization in different climatic zones	8
4.	Hygienic value of infrared and ultraviolet radiation, use in medicine	6
5.	Biogeochemical provinces. Sources of water and soil pollution in modern conditions of industrialization and chemicalization of the national economy	8
6.	Peculiarities of nutrition of different sex-age groups of the population. Rules of culinary processing and methods of preservation of food products	8
7	Work and health. Physiology of work. Occupational hygiene in certain branches of industrial and agricultural production.	8
8	Harmful and dangerous factors of working conditions and production environment. Sanitary legislation on labor protection	8
9	Anatomical-physiological and psychophysiological features of the body of children and adolescents of different age and sex groups. Acceleration	8
10	Nosocomial infections and their prevention	8
11	Qualitative and quantitative characteristics of radionuclides. Hygienic characteristics of ionizing radiation and their sources	8
12	Physical culture and hardening. Medical and social aspects of the problem of bad habits and drug addiction	8
13	Desynchronization, its causes and role in the life of a modern person	8
Total		100

Topics of 6 course

№ topics	Name of the topics	Number of hours
1.	Hygienic significance of physical factors of anthropogenic origin in the conditions of inhabited places	6
2.	Methods of investigating cases of food poisoning	6

3.	Occupational hygiene of medical workers in medical and preventive institutions	6
4.	Hygienic principles of rational organization of physical education and labor training of children and adolescents. Scientific basis of medical and professional consultation	6
5.	Hygienic aspects of population living in territories with increased levels of radioactive contamination due to the Chernobyl disaster	6
Total		30

5. Teaching methods

Traditional teaching methods are used in teaching the Content Module: verbal methods; visual; practical. Methods of educational and cognitive activity: explanatory-illustrative method, reproductive method, method of problem statement, partial-search or heuristic method, research method.

Methods of stimulation and motivation of educational and cognitive activity: methods of stimulation and motivation of training, methods of control and self-control as methods of training.

Methods of control of stimulation and motivation of educational and cognitive activity of students, as methods of training (control by the teacher, self-control, mutual control, self-correction, mutual correction, correction and integrated methods).

6. Forms of control

Current control is carried out during the study of a specific topic to determine the level of formation of a particular skill or ability, the quality of learning a certain portion of educational material by observing the educational and cognitive activities of students in the classroom, oral questioning, testing, written control of knowledge and skills through written work (written answers to questions, essays, solving situational problems), discussions, role-playing games on the topic of the lesson and test control using a set of standardized tasks.

Final control of academic performance

Forms of control and assessment systems carried out in accordance with the requirements of the discipline program and the Regulation "About the organization of educational process in higher educational institutions" (Order of the Ministry of Education and Science of Ukraine, June 2, 1993 №161), Temporary Regulations on the organization of the educational process in the credit-module system of training, approved by order of the Ministry of Education and Science of Ukraine, January 23, 2004 №48 and Temporary Instruction on assessment of students' educational activity on implementation of credit-modular system of organization of educational process (letter of the Ministry of Education and Science of Ukraine, 16.06.2005 №08.01-22 / 1258) and Recommended changes to the Temporary instruction on assessment of educational activity (letter of the Ministry of Health of Ukraine, 21.01.2008 №08.01-22/65).

The grade in the discipline is defined as the sum of grades of current educational activities (in points), which are displayed at each lesson on the relevant topic and the number of points for the performance of individual tasks by the student.

Independent work of students, which is provided in the topic along with classroom work, is assessed during the current control of the topic in the relevant lesson.

Points for individual tasks are awarded to the student only if they are successfully completed and defended. The number of points awarded for different types of individual tasks depends on their volume and significance, but is not more than 10 points. They are added to the amount of points earned by students for their current academic activities.

7. Evaluation criteria

Knowledge assessment is carried out according to regulation on control measures in EMU_(regulation of EMU).

Current control	According to the four-point system of traditional grades: 5 "Excellent", 4 "Good", 3 "Satisfactory", 2 Unsatisfactory"
Control of practical skills	According to the four-point system of traditional grades
Differential pass	Based on a 200-point scale (the sum of points for the current academic activity of the student, the result of passing the differential control and for successful completion of an individual task, if any) Credited: 120 to 200 points Not credited: less than 120 points (see Rating scale)
Final control for the discipline	The final control of students' academic performance is carried out after completing the study of the discipline and is implemented in the form of an exam.
Discipline assessment:	The score on the discipline is determined based on the results of assessment of current activities and is expressed using a fourpoint scale: ("Excellent", "Good", "Satisfactory", "Unsatisfactory"), multi-point scale and ECTS. The assessment in the discipline consists of an assessment of the current academic performance and the result of passing the exam (in points), which is set when evaluating theoretical knowledge and practical skills in accordance with the list defined by the discipline program. The number of points that the applicant scored for current academic.
	performance in the discipline is defined as the arithmetic mean of the number of points that the applicant received during the study of the discipline (practical, seminar, laboratory classes, etc.). The resulting value of the average traditional rating is converted to points according to the scale of conversion of traditional ratings to rating points. The maximum number of points is 200.

Matching grades on a 200-point scale, a 4-point (traditional) scale, and ECTS scale

On a 200-point scale	Rating on a 4-point scale
180–200	Excellent
140–179	Good
120–139	Satisfactory
0–119	Unsatisfactory

On a 200-point scale	ECTS evaluation
192–200	A
172–191	B
148–171	C
128–147	D
120–127	E
0–119	F

Discipline/course policy

The student has the right to receive high-quality educational services, access to up-to-date scientific and educational information, qualified advice during the study of the discipline and mastering practical skills. The policy of the department in the provision of Educational Services is student-centred, based on the regulatory documents of the Ministry of Education and the Ministry of Health of Ukraine, the Charter of the EMU and the procedure for providing educational services regulated by the regulation on the organisation of the educational process in the EMU and the principles of academic integrity.

Compliance with the EMU schedule, safety precautions in the classroom

Requirements for preparing for seminar classes

Students should arrive at classes on time, without being late. A student who is more than 10 minutes late for classes is not allowed in and must work it out in accordance with the established procedure. During practical classes, the student must wear a work uniform (medical gown, cap). Students who do not have a work uniform are not allowed to attend classes. The student must follow the safety rules during practical classes and while staying in the Department's premises. When discussing theoretical issues, students should demonstrate tolerance, politeness and respect for their colleagues and the teacher; when performing practical tasks, the workplace should be kept in order and cleaned after completing practical work.

Use of mobile phones and other electronic devices. The use of mobile phones and other electronic devices in the classroom is not allowed, only during Distance Learning, provided that it is technically necessary.

Academic integrity. When studying the discipline, the student should be guided by the following regulations: on academic integrity of EMU (regulation of EMU). In case of violation of the regulations of academic integrity during the current and final controls, the student receives a grade of "2" and must work it out to the teacher in accordance with the established procedure.

Regulation on control measures in EMU (regulation of EMU).

Skiping classes. Missed classes should be worked out in accordance with the procedure established in the regulations on control measures in the EMU (regulation of EMU) during the time determined by the work schedule (Department of fundamental disciplines) to the teacher on duty. To work out a missed lesson the student must pass a test and answer in writing or verbally the question on the topic of the lesson.

Procedure for admission to the final control in the discipline is given in the regulations on control measures and regulations on the organisation of the educational process in the EMU (regulation of EMU) and regulations on control measures in the EMU (regulation of EMU). Students who do not have missed not

worked out practical classes and lectures and have received an average traditional grade of at least "3" are allowed to participate in the final control.

Additional individual points. Points are awarded subject to the mandatory participation of the head, head teacher and teacher. These points are encouraging and are added once to the total score of the current academic performance and the result of passing the comprehensive exam. Their total number for one student should not exceed 10, and the final amount of points for an academic discipline should not exceed 200 points.

Individual tasks include:

- 1) writing essays and creating multimedia presentations with reports at meetings of the student scientific group of the department – 3 points;
- 2) participation in the creation of tables, graphological structure, posters on the topics of practical classes – 2 points;
- 3) participation in the student competition in the discipline at the First Stage – 1 point;
- 4) participation/prize-winner of the All-Ukrainian student competition in the discipline - 7/10 points;
- 5) author or co-author of abstracts/article – 2/5 points;
- 6) author or co-author of an oral/information stand report at a scientific conference – 6/3 points;
- 7) author of a student scientific paper accepted for participation or awarded by a diploma of I-III degree in the All – Ukrainian competition of student scientific papers at Stage II - 8 (participation) or 10 (diploma) points.

Resolving conflict issues. If there are misunderstandings and complaints against the teacher due to quality of educational services provided, knowledge assessment, and other conflict situations, the student must first report his/her claims to the teacher. If the conflict issue is not resolved, the student has the right to submit an appeal to the head of the department in accordance with the regulations on consideration of applications from applicants for higher education in EMU (regulation of EMU), Regulations on consideration of applications, complaints, and proposals of students in EMU (regulation of EMU), Regulations on meeting the requirements of the organization of the educational process (regulation of EMU), Regulation on the appeal of the results of the final control of knowledge of applicants for higher education in EMU (regulation of EMU), Regulations on safe educational environment in EMU (regulation of EMU).

Policy in the context of distance learning. The procedure for distance learning is regulated by regulation of EMU. The main training platforms for conducting training sessions are Microsoft Teams, Zoom. The procedure for conducting practical classes and lectures, working out and consultations during Distance Learning is published on the Department's Web page (Department of fundamental disciplines) Feedback from the teacher is provided directly during the lesson and/or consultation, and is also possible via email (in case of force majeure) during working hours.

Training resources

Educational and methodological support of the discipline is published on the website of the Department (Department of fundamental disciplines). Consultations are held according to the consultation schedule.

Schedule and distribution of groups by teachers are published on the Department's Web page (Department

of fundamental disciplines).

8. Methodical support (educational content)

1. Educational and professional program "Medicine"
2. The program of the discipline
3. Methodical guidelines for lectures (for teachers)
4. Methodical guidelines for practical classes (for teachers)
5. Methodical instructions for practical classes (for students)
6. Multimedia equipment of the lecture course
7. Visual aids, technical teaching aids, etc.
8. Sets of situational tasks
9. Sets of test tasks for practical classes
10. Methodical materials for self-study works of students

9. Recommended literature

Basic

1. Bardov V.G., Sergeta I.V. General human hygiene and ecology (Textbook). - Vinnytsia: Nova Kniga, 2002. 216 p.
2. Datsenko I.I., Gabovich R.D. Preventive medicine. General hygiene with the basics of ecology. - 2nd edition. - K.: Zdorovie, 2004. 788 p.
3. Fundamentals of ecology: a textbook for students of higher educational institutions / V.G. Bardov, V.I. Fedorenko, E.M. Biletskaya et al. / Ed. V.G. Bardova, V.G. Fedorenko. - Vinnytsia: Nova Kniga, 2013. 424 p.
4. Hygiene and Ecology. Edited by Professor V.G. Bardov. Vinnytsya: Nova Knyha, 2018. 688 p.
5. Hygiene and Ecology. Edited by Professor V.G. Bardov. Vinnytsya: Nova Knyha, 2009. 688 p.
6. Murashko V.O., Mechev D.S., Bardov V.G. et al. Radiation Hygiene: a textbook for interns and listeners. Vinnytsia: Nova Knyha, 2013. 376 p.
7. Occupational hygiene: Textbook / Y.I. Kundiev, O.P. Yavorovsky, A.M. Shevchenko et al.; edited acad. NAS of Ukraine, NAMS of Ukraine, prof. Yu.I. Kundiev, prof. O.P. Yavorovsky. – K.: "Medytsyna", 2011. 904p.
8. Prevention of nosocomial infections (hygienic, epidemiological and microbiological aspects) / edited by V.F. Moskalenko - K.: "Health", 2013. 160 p.

Additional

1. Course of lectures on hygiene and ecology. 3rd ed., revised. and additional. Edited by Professor E.M. Biletska. Dnipro, 2017. 254 p.
2. Hygiene and labor protection of medical workers. Textbook / Ed. V.F. Moskalenko, O.P. Yavorovsky. - K.: «Medytsyna», 2009. 176 p.
3. Hygiene of children and adolescents: Textbook / Ed. Corresponding Member Academy of Pedagogical Sciences of Ukraine, Doctor of Medical Sciences, Prof. V.I. Berzin. - Kyiv: Askania Publishing House, 2008. 345p.
4. Moskalenko V.F., Yavorovskiy O.P., Lastkov D.O., Harkavyi S.I. et al. Hygiene and ecology in terms, schemes, tables and tests: textbook. K.: VSV «Medytsyna», 2012. 208 p.
5. Prevention of nosocomial infections (hygienic, epidemiological and microbiological aspects) / VF Moskalenko, OAShevchenko, SIGarkavy, EADerkachev, etc.; Edited by VF Moskalenko.-K.: Zdorovie, 2013.-160 p.
6. Public hygiene. For order Goncharuk E.G. Textbook. Kyiv, "Zdorovie", 2003. - 728 p.
7. Radiation hygiene: Textbook. Edited by Professor V.Ya. Umanskyi, Professor S.T. Omelchuk. Donetsk:

Nord-Pres, 2009. 143 p.

10. Information resources:

1. Official web-site of the President of Ukraine – <http://www.president.gov.ua/>.
2. Verkhovna Rada of Ukraine – <http://www.rada.gov.ua/>.
3. Cabinet of Ministers of Ukraine – <http://www.kmu.gov.ua/>.
4. Ministry of Health of Ukraine – <http://moz.gov.ua/ua/portal/>.
5. Ministry of Education and Science of Ukraine – <http://www.mon.gov.ua/>.
6. World Health Organization – <http://www.who.int/en/>.
7. National Scientific Medical Library of Ukraine – <http://www.library.gov.ua/>.
8. Dnipropetrovsk Regional Scientific and Medical Library – <http://medlib.dp.gov.ua/>.
9. Library SI «DMA» – <http://www.dsma.dp.ua/biblioteka/>.
10. Testing Center of the Ministry of Health of Ukraine – <http://testcentr.org.ua/>.
11. English-language web resource for doctors and other health professionals – <http://www.medscape.com>
12. English text database of medical and biological publications – <http://www.pubmed.com>.
13. Page of the Department of General Hygiene (301) on the site www.dsma.dp.ua