

## Catalog of elective disciplines

1. Department: "Hygiene and epidemiology"
2. Level of preparation (bachelor / internship / magistracy / residency)
3. Speciality: 6B10117-"Pediatria "
4. Course: 3
5. Name of elective discipline: "General hygiene"
6. The number of credits - 4
7. Purpose: the formation of hygienic thinking necessary for the medical worker in future professional activities.
8. Tasks:

- teach how to apply hygienic knowledge for the prevention of diseases, preservation and strengthening of health in healthy people;

- teach to apply hygienic knowledge and skills to improve hygienic literacy of the population.

**9. Justification of the choice of discipline:** General hygiene is one of the fundamental disciplines of basic medical education. Teaching theoretical and practical courses aimed at studying the fundamental principles of public health. The discipline reflects the patterns of influence of environmental factors on the human body and public health in order to substantiate hygienic standards, health regulations, and measures, the implementation of which will ensure the preservation and strengthening of people's health.

### **10. Learning outcomes (competencies):**

<b><u>Knowledge</u></b> <b><u>(cognitive sphere)</u></b>	<b><u>Skills and abilities</u></b> <b><u>(psychomotor sphere)</u></b>	<b><u>Personal and professional competencies</u></b> <b><u>(relationships)</u></b>
<ul style="list-style-type: none"> <li>• <u>knows the hygienic value of air. Measures for the prevention of diseases associated with the impact on the human body of physical properties, natural chemical and biological composition and air pollution;</u></li> <li>• <u>knows the role of water factor and soil in the occurrence and spread of infectious and non-infectious diseases and hygienic measures for their prevention;</u></li> <li>• <u>knows the hygienic basics of the rational nutrition of various groups of the population.</u></li> </ul>	<ul style="list-style-type: none"> <li>• <u>interprets the results of the air quality study;</u></li> <li>• <u>assesses the role of water factor in the development of infectious and non-communicable diseases and take measures for their prevention;</u></li> <li>• <u>assesses the organization and nutritional value;</u></li> <li>• <u>assesses the risk of exposure to occupational hazards on the human body;</u></li> <li>• <u>evaluates the working conditions and the sanitary condition of the work premises;</u></li> </ul>	<p><u>perceive new ideas;</u></p> <ul style="list-style-type: none"> <li>- <u>demonstrate relevant communication skills in the field of hygienic science;</u></li> <li>- <u>observe the principles of medical ethics when dealing with the public;</u></li> <li>- <u>master teamwork and leadership skills.</u></li> </ul>

<p><u>methods for assessing the nutritional value</u></p> <ul style="list-style-type: none"> <li>• <u>knows the hygienic value of basic foods. Food poisoning and their prevention;</u></li> <li>• <u>knows the hygienic characteristics of the most common harmful factors of the labor process and the working environment in industrial plants. Preventive and health measures at work;</u></li> <li>• <u>knows the hygienic requirements for hospitals;</u></li> </ul> <p><u>knows the hygienic basis for the prevention of nosocomial infections.</u></p>	<ul style="list-style-type: none"> <li>• <u>assesses the physical development of children and adolescents;</u></li> <li>• <u>evaluates the sanitary and epidemiological regime of hospitals;</u></li> <li>• <u>implement measures to prevent nosocomial infections;</u></li> <li>• <u>makes a menu-layouts of dishes according to diets.</u></li> </ul>	
--	---	--

**11. Prerequisites: molecular biology and medical genetics, basic physiology.**

**12. Post requisites: clinical epidemiology, introduction to the clinic.**

**13. Literature:**

1. Bolshakov, A. M. Zhalpa hygiene: - M.: GEOTAR - Media, 2014 y.

2. Hygiene: textbook / M-in education and science of the Russian Federation; by ed. P. I. Melnichenko. -; Rec. GBOU VPO "First Mosk. State Medical University. I.M. Sechenov". - M.: GEOTAR - Media, 2014. - 656 p.

3. Tokanova, Sh. E. Zhalpy hygiene: Оқуу құралы - Almaty: Evero, 2013

4. Torgautov, B.K. Zhalpy hygiene: / B.K. Torgautov, M. Sh. Seralieva. - Shymkent: "Nyrdana - LTD", 2011. - 432 page with. -

5. Torgautov, B.K. Zhalpy hygiene: / B.K. Torgautov, M. Sh. Seralieva. - Shymkent: B. Well., 2009. - 428 page. with.