

**Subject card**

<b>Subject name and code</b>	Hygiene principles in health care units, PG_00149319						
<b>Field of study</b>	Medical Biology						
<b>Date of commencement of studies</b>	October 2024	<b>Academic year of realisation of subject</b>			2026/2027		
<b>Education level</b>	undergraduate studies	<b>Subject group</b>			Obligatory subject group in the field of study Optional subject group		
<b>Mode of study</b>	full-time studies	<b>Mode of delivery</b>			at the university		
<b>Year of study</b>	3	<b>Language of instruction</b>			Polish polish		
<b>Semester of study</b>	6	<b>ECTS credits</b>			2.0		
<b>Learning profile</b>	academic	<b>Assessment form</b>					
<b>Conducting unit</b>	Faculty of Biology						
<b>Name and surname of lecturer (lecturers)</b>	<b>Subject supervisor</b>		dr Dorota Gregorowicz-Warpas				
	<b>Teachers</b>						
<b>Lesson types</b>	<b>Lesson type</b>	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	<b>Number of study hours</b>	0.0	0.0	30.0	0.0	0.0	30
	E-learning hours included: 0.0						
<b>Learning activity and number of study hours</b>	<b>Learning activity</b>	Participation in didactic classes included in study plan		Participation in consultation hours		Self-study	SUM
	<b>Number of study hours</b>	30		3.0		17.0	50
<b>Subject objectives</b>	<p>The aim of the course is to present the main concepts of broadly understood hygiene in health care units.</p> <p>After completing the course, the student should:</p> <ul style="list-style-type: none"> <li>- recognize health threats occurring in the work environment,</li> <li>- have the skills to take effective actions aimed at hygiene in health care units.</li> </ul>						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[BIOLMEDL3_W11] posiada zaawansowaną wiedzę dotyczącą metod oceny stanu zdrowia oraz objawów i przyczyn wybranych zaburzeń i zmian chorobowych oraz zna podstawy zdrowego trybu życia, potrafi je uzasadnić i promować	The student has basic knowledge of methods for assessing health and the symptoms and causes of selected disorders and lesions, and knows the basics of a healthy lifestyle, is able to justify and promote them.	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion [SW2] presentation/project/paper/ report
	[BIOLMEDL3_W18] knows the basic principles of occupational health and safety and ergonomics	The student is able to define the basic principles of occupational health and safety and ergonomics.	[SW1] oral statement/ conversation/discussion
	[BIOLMEDL3_W12] is oriented in the development and current state of knowledge and the latest trends in medical biology; indicates their relationship with other disciplines of natural or medical sciences	The student is aware of the development and current state of knowledge and the latest trends in medical biology and is able to indicate their relationship with other natural and medical sciences.	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion
	[BIOLMEDL3_U07] is able to identify problems corresponding to the needs of an individual and a social group and to undertake basic diagnostic, preventive and educational activities appropriate to the profession of medical biologist	The student is able to identify the problems of an individual and a social group and take basic diagnostic, preventive and educational activities within the scope of his/her competences.	[SU1] oral statement/conversation/ discussion [SU4] test/exam - oral or written
	[BIOLMEDL3_U09] has the ability to give oral presentations in Polish or English on specific issues in medical biology	The student has the ability to present on medical biology issues in Polish and English.	[SU1] oral statement/conversation/ discussion [SU4] test/exam - oral or written
	[BIOLMEDL3_K01] understands the need for lifelong learning and to update his/her knowledge of medical biology and related disciplines	Student understands the need for continuous learning and acquiring up-to-date knowledge in the field of medical biology and related disciplines.	[SK8] observation of student's independent or team work
	[BIOLMEDL3_U13] communicates in English at B2 level, understands speeches in English in the discipline of medical biology	The student has the ability to communicate in English at the B2 level in the discipline of medical biology.	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report
	[BIOLMEDL3_K08] is ready to consciously apply the principles of bioethics	The student is aware and ready to apply the principles of bioethics.	[SK8] observation of student's independent or team work
	[BIOLMEDL3_K03] is aware of his/her own limitations and knows when to seek expert assistance	The student is aware of his own limitations and knows when to ask for help from experts.	[SK8] observation of student's independent or team work
	[BIOLMEDL3_W07] has advanced knowledge of medical biology and is familiar with the health sciences terminology	The student has basic knowledge of medical biology and knows the terminology of health sciences.	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion

Subject contents	<p>1. Historical outline, basic definitions and tasks of hygiene (including occupational hygiene).</p> <p>2. Basics and principles of mental work. Hygiene of mental work.</p> <p>3. Harmful factors in the human environment.</p> <p>4. Assessment of exposure to harmful substances in the human environment. Health effects caused by the action of harmful physical, chemical and biological factors on the human body.</p> <p>5. Hygienic standards.</p> <p>6. Ergonomics - definition and basic goals.</p> <p>7. Ergonomic design of work stations.</p> <p>8. Hygiene in health care facilities.</p> <p>9. Methods of decontamination of the hospital environment. Disinfection, sterilization, asepsis, antiseptics.</p> <p>10. Medical waste: types, collection, storage, transport. Waste management program. Medical waste disposal methods.</p> <p>11. Occupational and para-occupational diseases. Protection against occupational harm.</p> <p>12. Elements of hygiene and infection prevention among health care workers</p>		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	final test	51.0%	100.0%

Recommended reading	Basic literature	<p>1. Marcinkowski J.T.: Hygiene. Prevention and organization in medical professions, Ed. PZWL, Warsaw 2003</p> <p>2. Wojciechowska-Piskorska H.: Occupational health and safety when performing work involving exposure to injuries from sharp tools used in the provision of health services by entities performing medical activities (Ebook), Consulting and Improvement Center, Gdańsk 2013</p> <p>3. Karczewski J.K.: Hygiene, Ed. Czelej, Lublin 2002</p> <p>4. Bulanda M., Wójkowska-Mach J.: Nosocomial infections in health care units, PZWL, Warsaw 2016</p> <p>5. Cianciara J., Juszczyk J.: Infectious and parasitic diseases, Ed. Czelej, Lublin 2012</p> <p>6. General guidelines for all entities performing decontamination processes, including the sterilization of medical devices and other reusable items used in the provision of health services and other activities during which the transmission of an infectious disease or infection may occur, Warsaw 2017</p> <p>7. Polish Association of Medical Sterilization: Decontamination of medical devices. Compendium. Ed. Edra Urban&amp;Partner, Wrocław 2023</p> <p>8. Mączyńska A.: The environment as a source of nosocomial infections, Ed. Academy Medical Training and Consulting, Galway 2017</p>
	Supplementary literature	<p>1. Pawińska A.: Hospital prevention safety of the hospital environment, Ed. -medica press, Warsaw 2011</p> <p>2. The sanitary condition of the country - GIS report</p>
	eResources addresses	Adresy na platformie eNauczanie:

<p>Example issues/ example questions/ tasks being completed</p>	<p>Przykład pytania z testu końcowego:</p> <p><b>1. Twórcą nowoczesnej higieny pracy jest:</b></p> <p>a) Max Pettenkofer</p> <p>b) Bernardo Ramazzini</p> <p>c) Christoph Hufeland</p> <p>d) Johann Peter Frank</p> <p>Przykład tematu prezentacji do opracowania przez studentów: <b>Ergonomia i zasady bezpiecznej pracy z komputerem.</b></p>
<p>Work placement</p>	<p>Not applicable</p>

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