

**Subject card**

<b>Subject name and code</b>	Basics of epidemiology, PG_00147150						
<b>Field of study</b>	Genetics and Experimental Biology						
<b>Date of commencement of studies</b>	October 2024	<b>Academic year of realisation of subject</b>			2025/2026		
<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>	2	<b>Language of instruction</b>			Polish Polish		
<b>Semester of study</b>	4	<b>ECTS credits</b>			1.0		
<b>Learning profile</b>	academic	<b>Assessment form</b>					
<b>Conducting unit</b>	Katedra Biochemii Ogólnej i Medycznej -> 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	15.0	0.0	0.0	0.0	15
	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>	15		2.0		8.0	25
<b>Subject objectives</b>	The aim of the course is to familiarize students with lectures on epidemiological issues and infectious diseases.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[GBEL3_U02] Utilize computer programs for performing analyses and calculations, as well as utilize databases and bioinformatics tools to solve biological problems.	The student is able to use computer programs to perform analyzes and calculations and use databases and bioinformatics tools to solve biological problems.	[SU1] oral statement/conversation/discussion [SU2] presentation/project/paper/report [SU4] test/exam - oral or written
	[GBEL3_U04] Capable of reading scientific texts in English and Polish with comprehension, synthesizing the knowledge contained within them, preparing well-documented studies on biological issues, as well as those related to research commercialization.	The student is able to read and understand scientific texts in English and Polish, synthesizes the knowledge contained therein, prepares well-documented studies of biological problems	[SU1] oral statement/conversation/discussion [SU2] presentation/project/paper/report
	[GBEL3_U06] Prepare and deliver oral presentations in Polish and English on specific topics within the field of biology, as well as present ideas and results in written and oral form.	The student has the ability to give oral presentations in Polish and English on specific issues in the field of biology and to present his or her ideas and results	[SU1] oral statement/conversation/discussion [SU2] presentation/project/paper/report
	[GBEL3_K07] Lifelong learning and updating knowledge in the field of molecular genetics and other disciplines.	The student understands the need for lifelong learning and updating knowledge in the field of molecular genetics and other fields	[SK2] presentation/project/paper/report [SK4] test/exam - oral or written [SK8] observation of student's independent or team work
[GBEL3_W09] principles of safety and hygiene, as well as ergonomics in the workplace.	The student is able to define the basic principles of health and safety and work ergonomics	[SW4] test/exam - oral or written [SW1] oral statement/conversation/discussion [SW2] presentation/project/paper/report	
Subject contents	1. Epidemiology of infectious diseases.2. Epidemiology of infections, sources, causes, prevention. Types and control of infections and infectious diseases. 3. Population screening tests.4. Epidemiology of food and nutrition-related conditions and diseases.5. Epidemiology of conditions and diseases related to municipal and occupational environmental pollution.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	test I	51.0%	40.0%
	test II	51.0%	40.0%
	passing the hand hygiene procedure	51.0%	10.0%
	multimedia presentation	51.0%	10.0%
Recommended reading	Basic literature	1. Paradowska-Stankiewicz I., Rosińska M., Wojtyniak B., Zieliński A.: Epidemiology from theory to practice, PZWL, Warsaw 20212.Webb P., Bain C., page E.: Epidemiologia, ed. Scholarship holder, Warsaw 20213. Boroń- Kaczmarska A., Wiercińska- Drapała A.: Infectious and parasitic diseases, PZWL, Warsaw 20194. Bzdęga J., Gębska-Kuczerowska A.: Epidemiology in public health, PZWL, Warsaw 20105. Cianciara J., Juszczyk J.: Infectious and parasitic diseases, volumes I, II, ed. II, Czelej, Lublin 20126. Bulanda M., Wójkowska-Mach J.: Nosocomial infections in health care facilities, PZWL, Warsaw 20167. Denys A.: Hospital infections. Selected issues, ABC Business and Wolters Kluwer, Warsaw 20128. Denys A.: Hospital infections in selected departments, vol. II, ABC and Wolters Kluwer business, Warsaw 20139. Dziubek Z.: Infectious and parasitic diseases, ed. II, PZWL, Warsaw 201010. Pawińska A.: Prevention of nosocomial infections - safety of the hospital environment, ed. -medica press, Warsaw 201111. Sygit M.: Public health, ed. Wolters Kluwer Polska, Warsaw 201012. Dzierżanowska D.: Hospital infections, ed. -medica press, Bielsko-Biała 2008	

	Supplementary literature	1. Jabłoński L., Karwat I.D.: Basics of general epidemiology, epidemiology of infectious diseases, Ed. Czelej, Lublin 2002
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	Auditorium exercises - determining the final grade based on partial grades received during the semester (colloquium, final paper in the form of a multimedia presentation). Practical assessment of the hand hygiene procedure. In case of failure to pass the test, oral examination.	
Work placement	Not applicable	

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