University of Gdańsk

Subject card

Subject name and code	Basic epidemiology, PG_00203394						
Field of study	Medical Biology						
Date of commencement of studies	October 2026		Academic year of realisation of subject	2027/2028			
Education level	Bachelor's studies		Subject group	Obligatory subject group in the field of study Optional subject group Subject group related to scientific research in the field of study			
Mode of study	full-time studies		Mode of delivery	at the university			
Year of study	2		Language of instruction	Polish			
Semester of study	4		ECTS credits	2.0			
Learning profile	academic		Assessment form	credit			
Conducting unit	Department of General and Medical Biochemistry -> Faculty of Biology -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Dorota Gregorowicz-Warpas				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	15.0	0.0	0.0	0.0	15
	E-learning hours included: 0.0						
Learning activity and number of study hours	Learning activity	Participation in didactic classes included in study plan		Participation in consultation hours		Self-study	SUM
	Number of study hours	15		3.0		32.0	50
Subject objectives	The aim of the course is to familiarize students with basic issues in epidemiology and infectious diseases.						

Learning outcomes

Course outcome	Subject outcome	Method of verification
[BIOLMEDL3_U12] in Polish or English, prepares written, well-documented studies of selected problems in medical biology	The student prepares well-documented written studies on selected problems in medical biology, in either Polish or English.	[SU1] oral statement/conversation/ discussion [SU4] test/exam - oral or written
[BIOLMEDL3_U10] learns independently and in a focused manner, and is able to set priorities and organise the work of a small team, as well as work effectively within a team	The student learns independently, in a directed manner.	[SU1] oral statement/conversation/ discussion [SU4] test/exam - oral or written
[BIOLMEDL3_K01] is aware of the importance of lifelong learning and keeping up to date with developments in medical biology and related disciplines, and applies this knowledge to the planning and design of professional activities	The student understands the need for lifelong learning and updating knowledge in the field of medical biology and related disciplines.	[SK8] observation of student's independent or team work
[BIOLMEDL3_U06] is able to identify problems corresponding to the needs of an individual and a social group and to undertake diagnostic, preventive and educational activities appropriate to the profession of medical biologist	The student 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 a medical biologist.	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report [SU4] test/exam - oral or written
[BIOLMEDL3_K02] is aware of their own limitations and knows when to turn to experts who have the resources, technologies and knowledge to provide certainty on a given topic, save time and avoid mistakes	The student is aware of his own limitations and knows when to seek help from experts.	[SK8] observation of student's independent or team work
[BIOLMEDL3_K03] is ready to form opinions about individuals, social groups, and the organization of individual and team work; independently undertakes and initiates simple research activities	The student is able to formulate opinions about individual people and social groups in the context related to their profession.	[SK8] observation of student's independent or team work
[BIOLMEDL3_W04] has advanced knowledge of medical biology and its latest developments, and is familiar with and understands issues related to the role of medical biology in human health care	The student has advanced knowledge of medical biology and knows the terminology of health sciences.	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion
[BIOLMEDL3_W07] has advanced knowledge of methods for assessing health status, as well as the symptoms and causes of selected disorders and pathological changes; understands the basics of a healthy lifestyle and is able to explain and promote them	The student has advanced knowledge of methods for assessing health status 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
[BIOLMEDL3_W08] has an advanced understanding of 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 versed 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.	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion

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 conditions and diseases related to food and nutrition. 5. Epidemiology of conditions and diseases related to pollution of the municipal and occupational environment.
Prerequisites and co-requisites	

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
colloquium II	51.0%	40.0%
multimedia presentation	51.0%	10.0%
colloquium I	51.0%	40.0%
passing the hand hygiene procedure	51.0%	10.0%

Recommended reading

Basic literature

1. Paradowska-Stankiewicz I., Rosińska M., Wojtyniak B., Zieliński A.: Epidemiology of theory to practice, PZWL, Warsaw 2021

2.Webb P., Bain C., page E.: Epidemiologia, Ed. Scholarship holder, Warsaw 2021

3. Boroń- Kaczmarska A., Wiercińska- Drapało A.: Infectious and parasitic diseases, PZWL, Warsaw 2019

4. Bulanda M., Wójkowska-Mach J.: Nosocomial infections in a health care unit, PZWL, Warsaw 2016

5. Bzdęga J., Gębska-Kuczerowska A.: Epidemiology in public institutions, PZWL, Warsaw 2010

6. Cianciara J., Juszczyk J.: Infectious and parasitic diseases, Volume I, II, Ed. II, Czelej, Lublin 2012

7. Denys A.: Hospital infections. Selected issues, ABC and Wolters Kluwer business, Warsaw 2012

8. Denys A.: Hospital infections in selected departments, Vol. II, ABC and Wolters Kluwer, Warsaw 2013

9. Dziubek Z.: Infectious and parasitic diseases, Ed. II, PZWL, Warsaw 2010

10. Pawińska A.: Hospital prevention - protection of hospital safety, Ed. -medica press, Warsaw 2011

11. Sygit M.: Public health, Ed. Wolters Kluwer Polska 2010

12. 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	
Example issues/ example questions/ tasks being completed	Auditorium exercises - determining the final grade based on partial grades received during the semester (colloquia, final paper in the form of a multimedia presentation). Practical assessment of the hand hygiene procedure. In case of failure to pass the test, an oral examination.	
Work placement	Not applicable	

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