

Subject card

Subject name and code	Diseases of civilization of the 21st century, PG_00137329						
Field of study	Criminology						
Date of commencement of studies	October 2024	Academic year of realisation of subject			2024/2025		
Education level	Bachelor's studies	Subject group					
Mode of study	full-time studies	Mode of delivery			at the university		
Year of study	1	Language of instruction			Polish polish		
Semester of study	1	ECTS credits			2.0		
Learning profile	academic	Assessment form			credit		
Conducting unit							
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Dorota Żurawa-Janicka				
	Teachers		dr hab. Dorota Żurawa-Janicka				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	0.0	0.0	0.0	0.0	30
	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	30		2.0		18.0	50
Subject objectives	Understanding the causes of diseases whose development and spread is influenced by civilization progress and lifestyle. Understanding of genetic conditions and environmental factors that contribute to the development of selected civilization diseases. Understanding the principles of prevention of these diseases and treatment methods.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
			<ul style="list-style-type: none"> - understands the basic phenomena and physiological processes occurring in the human body (P6U_W, P6S_WG) - knows the factors that contribute to the development and spread of lifestyle diseases and understands the impact of these factors on the course of physiological processes and human health (P6U_W, P6S_WG) - synthesizes data from various sources and draws appropriate conclusions on this basis (P6U_U, P6S_UW) - knows the limitations of one's own knowledge and understands the need to update it in terms of the causes of development and effects of the spread of lifestyle diseases (P6U_K, P6S_KK) 		<ul style="list-style-type: none"> [SW4] test/exam - oral or written [SU1] oral statement/conversation/discussion [SU4] test/exam - oral or written [SK1] oral statement/conversation/discussion 		

Subject contents	<p>Lifestyle diseases: types and characteristics, epidemiology in Poland and in the world, factors contributing to development, including genetic background and environmental factors.</p> <p>Selected lifestyle diseases will be discussed, considering risk factors, symptoms, and diagnostics: diseases related to metabolic disorders, including obesity and diabetes, cardiovascular diseases, selected cancers, including colon cancer, and lung cancer, diseases resulting from immunological disorders, including allergies, food hypersensitivities, respiratory diseases, asthma, chronic obstructive pulmonary disease, and AIDS.</p> <p>Currently used treatment methods and new therapies. Principles of prevention.</p>								
Prerequisites and co-requisites	Bsic knowledge of human anatomy and physiology.								
Assessment methods and criteria	<table border="1" data-bbox="448 501 1487 568"> <thead> <tr> <th data-bbox="448 501 798 535">Subject passing criteria</th> <th data-bbox="802 501 1141 535">Passing threshold</th> <th data-bbox="1145 501 1487 535">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="448 542 798 568"></td> <td data-bbox="802 542 1141 568">51.0%</td> <td data-bbox="1145 542 1487 568">100.0%</td> </tr> </tbody> </table>			Subject passing criteria	Passing threshold	Percentage of the final grade		51.0%	100.0%
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Recommended reading	<p>Basic literature</p> <p>Supplementary literature</p> <p>eResources addresses</p>	<p>Literature used during classes. The lecture is an original study of issues related to the epidemiology, pathogenesis, treatment methods, and principles of prevention of civilization/lifestyle diseases and was prepared based on review articles and original articles and own experience from research work on the biology of cancer and diseases resulting from immune system dysfunction. Other sources include:</p> <p>Lieberman M., Marks A.D., Peet A. 2013. Basic Medical Biochemistry. A Clinical Approach. 4th Ed. Lippincott Williams & Wilkins, USA.</p> <p>Rosenthal M.D., Glew R.H. 2009. Medical Biochemistry. Human Metbolism in Health and Disease. Wiley & Sons, Inc.</p> <p>Janson L.W., Tischler M.E. The Big Picture: Medical Biochemistry. The McGrew-Hill Companies, Inc.</p> <p>Cellular and Molecular Immunology, Abbas et al., 10th Ed., Elsevier Inc. 2022.</p>							
Example issues/ example questions/ tasks being completed	<p>Sample test questions:</p> <p>Lifestyle diseases: a. are the cause of most deaths in the world; b. develop suddenly, as a result of the action of a specific factor; c. the vast majority of them are caused by infectious agents; d. mainly affect young people</p> <p>Which of the following lipoproteins is of key importance in the pathomechanism of atherosclerotic plaque formation: a. Chylomicrons; b.LDL; c. HDL; d. IDL</p> <p>Select the false sentence: a. The direct cause of diabetes and its characteristic feature is hyperglycemia; b. Diabetes is caused by impaired insulin secretion or action; c. Insulin works by "using" glucose after a meal and accumulating energy reserves; d. The pancreas produces insulin when blood glucose levels are low</p> <p>Complete the sentence: The organ that is the central site of ethyl alcohol metabolism is ...</p> <p>Select the true sentence: a. Most cases of colorectal cancer develop as a hereditary disease; b. Colorectal cancer is a disease classified as a civilization disease because its development is closely related to lifestyle and the influence of environmental factors; c. All colorectal polyps and colorectal cancer are malignant tumors; d. Factors that reduce the risk of developing colorectal cancer include a diet rich in carbohydrates and fats</p>								
Work placement	Not applicable								