

Subject card

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|--|---|--|---|-------------------------------------|--|------------|-----|
| 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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| | 51.0% | 100.0% | | | | | | | |
| 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 | | | | | | | | |