

Fundamentals of preventive medicine with elements of telemedicine

1st semestr:

1. Introduction to disease prevention. Diagnosis of the health needs of the population - **Jacek Jamiołkowski**
2. Prevention of cardiovascular and metabolic diseases - **Natalia Zieleniewska**
3. Cancer prevention - **Magdalena Chlabicz/Małgorzata Chlabicz**
4. Prevention of mental illness and disease prevention by influencing smoking, psychoactive substance use, and risky sexual behavior - **Jacek Jamiołkowski**
5. The importance of physical activity in disease prevention - **Paweł Sowa**
6. The role of diet in disease prevention - **Natalia Zieleniewska**

2nd semestr:

7. Environmental hazards and prevention of infectious diseases - **Paweł Sowa**
8. Genetics in medicine - **Alexander Teumer**
9. Introduction to telemedicine. The place of telemedicine in the electronic medical information system. Data sources in telemedicine - **Paweł Sowa**
10. Artificial intelligence in medicine. Opportunities, threats, and basic legal conditions for the use of tools employing artificial intelligence methods in medicine - **Wojciech Łaguna**
11. Sources of data - **Alexander Teumer**
12. The application of artificial intelligence and machine learning methods in diagnosis and treatment - **Jacek Jamiołkowski**
13. Presentation and analysis of disease prevention programs planned by students

All classes take place in the Innovation Research Centre.

The building is located on the University Teaching Hospital grounds.

Adress: ul. Jerzego Waszyngtona 13, 15-269 Białystok. Map below.

