



MINISTRY OF PUBLIC HEALTH OF UKRAINE BOHOMOLET'S NATIONAL MEDICAL UNIVERSITY department of hygiene and ecology #1

TOPIC OF LECTURE:

Hygiene as a science.

Ecology as a science. Environment and human health. Biosphere and its hygienic significance.

Bioethics aspects and biosafety questions of biosphere denaturation

assistant professor Ph.D Blagaia A.V.

PLAN OF THE LECTURE

- **Introduction to hygiene and human ecology. Historical outline of hygiene development.**
- **Health as object of hygiene.**
- **Environment as an object of hygiene and ecology.**
 - **General chart of environment influence on the human organism and population health.**
 - **Biosphere and its structure. Cycle of matters in the biosphere.**
 - **Structure, composition, properties and the hygienic value of the atmosphere.**
 - **Structure, composition, properties and the hygienic value of the lithosphere.**
 - **Structure, composition, properties and the hygienic value of the hydrosphere.**
- **Scientific and technical revolution. Its positive and negative consequences.**
- **Global character of the biosphere contamination:**
 - **contamination of atmospheric air and its influence on health ;**
 - **contamination of soil and its influence on health;**
 - **contamination of water and its influence on health .**
- **General laws of global biosphere contamination.**
- **Scientific backgrounds of environment protection from contamination.**
- **Prophylactic priorities in medicine.**
- **Hygiene as a science. Definitions, aims, tasks, methods of hygiene.**
- **Sanitation. Kinds of sanitation.**
- **Sanitary and epidemiological service. Sanitary legislation.**
- **Significance of hygienic knowledge for medical profession.**