

UNIVERSITY OF BELGRADE
FACULTY OF MEDICINE
PhD STUDIES

TITLE OF THE MODULE: ENVIRONMENTAL AND NUTRITIONAL FACTORS AND HEALTH

CONTENTS OF THE STUDY PROGRAM

The module "Environmental and nutritional factors and health" is a unique doctoral studies module that studies all environmental factors related to health, such as air pollution and municipal noise, agents in drinking water, carcinogens, climatic factors, habits, urbanization, and housing. The module provides theoretical and scientific grounds to assess nutrition and body composition, recognizing the importance of applying the acquired knowledge in scientific research work and health risk assessment. The module also examines the impact of factors of the school environment on the psychophysical health, growth, and development of children and adolescents; the effect of harmful agents (physical, chemical, biological, radiological, and sociological-psychological) in the environment regarding ecotoxicology and carcinogenic substances, and nutritional requirements different population categories. Students will master the design of studies that examine the effects of environmental and dietary factors on health and be able to design and apply research methods to conduct valid basic, clinical, and population studies in this area. Students are encouraged to assess the importance of the needs of all vulnerable groups (children, adolescents, lactating women, athletes, menopausal women, and elderly) related to the factors present in the school, social, and environmental environment. Students are trained to perform independent analysis, interpret the research results, critically evaluate the evidence, and formulate new hypotheses. In addition, students can plan intervention studies, and propose preventive measures to reduce the impact of environmental factors and nutrition on human health.

REGISTRATION REQUIREMENTS

Special: persons with completed integrated academic studies in medical sciences lasting for six years (360 ESPB) OR completed academic studies (bachelor and master's) in other fields (300 ESPB).

General: persons who achieved an average grade of 8.00 or higher at all previous levels of study; knowledge of the English language to the level of ability to communicate and follow scientific literature; appropriate computer skills; desirable recommendations related to engaging in scientific and research work.

COMPOSITION OF THE ADVISORY BOARD

Prof. Dr. Branko Jakovljević
Prof. Dr. Nađa Vasiljević
Prof. Dr. Dušan Backović
Prof. Dr. Miloš Maksimović
Prof. Dr. Katarina Paunović

LIST OF COMPULSORY SUBJECTS

- Research methodology,
- Research ethics,
- Informatics,
- Statistics for researchers in the field of biomedical sciences (basic course),
- Environment and health - methods and research problems,
- Diet and nutrition studies: methods and research problems,
- Applied clinical nutrition

LIST OF ELECTIVE SUBJECTS

- Research on the impact of harmful agents in water on health,
- Research on the impact of school environment factors on health,
- Research on the impact of harmful agents in the environment with special reference to ecotoxicology and carcinogenic substances,
- Research on the nutrition of different population categories