



Study program: Doctoral Academic Studies in Biomedical Sciences		
Name of the subject: ENVIRONMENT AND HEALTH		
Teacher(s): Marija R. Jevtić, Sanja V. Bielović, Miroslav P. Ilić		
Status of the subject: elective		
Number of ECTS points: 20		
Condition: -		
Goal of the subject Education of doctoral students in the field of medical ecology. Studying the importance of the environment for public health		
Outcome of the subject Knowledge and skills in the analysis of individual environmental factors, results of measurements and possible impact on health. Application of health ecology in preserving and improving human health.		
Content of the subject <i>Theoretical lectures</i> Sustainable development goals. Medical ecology, study frameworks. Environmental and health indicators. Public health aspect of air pollution. Urbanization public health and risk management. Climate change and health. Intersectoral cooperation in the implementation of public health programs. Noise in an urban environment. Water as a resource. International and national legal basis in the field of health safety of drinking water, air quality, waste disposal. Risk management in the disposal of medical waste. Non-ionizing and ionizing radiation. School environment and health. Environmental health risk analysis. Emergencies and public health. Disasters and health risks. <i>Practical lectures:</i> Seminars, Other forms of teaching, Study research work Water supply analysis and health safety of drinking water. Significance of air quality analysis and health impact. Noise as an environmental problem. Medical waste as a public health challenge. Seminar papers assess the impact of certain factors on the environment and human health. Analysis of individual scientific papers that consider the impact of environmental factors and population health.		
Recommended literature 1. Healthy environments for healthier populations: Why do they matter, and what can we do? Geneva: World Health Organization; 2019 (WHO/CED/PHE/DO/19.01). Licence: CC BYNC-SA 3.0 IGO. WHO Regional Office for Europe 2. Annette Prüss-Üstün, J Wolf, C Corvalán, R Bos and M Neira. Preventing disease through healthy environments: a global assessment of the burden of disease from environmental risks. WHO, Geneva, Switzerland, 2016. 3. Implementing the European Regional Framework for Action to protect health from climate change, World Health Organization 2015. 4. WHO. Global Reference List of 100 Core health Indicators. WHO, Geneva, 2015 5. Health and Environment in the WHO European region: Creating resilient communities and supportive environments, WHO 2013 6. https://www.who.int/water_sanitation_health/en/ 7. https://www.who.int/health-topics/air-pollution#tab=tab_1		
Number of active classes	Theory: 60	Practices (SRW): 45
Methods of delivering lectures Lectures, exercises, interactive work, seminar work, individual work and group work		
Evaluation of knowledge (maximum number of points 100) activity during lectures 20 independent research work 40 seminar 20 oral exam 20		