



Study program: Doctoral Academic Studies of Biomedical Sciences		
Name of the subject: HOSPITAL EPIDEMIOLOGY AND INFECTION CONTROL		
Teacher(s): Gorana S. Dragovac, Jelena Đekić Malbaša		
Status of the subject: elective		
Number of ECTS points: 20		
Condition: -		
Goal of the subject To educate students about importance of hospital epidemiology, surveillance on healthcare associated infections (HAI) and infection prevention and control.		
Outcome of the subject Introduction and implementation of knowledge on epidemiology of health care associated infections of different site acquired in hospitals and other health care facilities. Application of epidemiological methods in surveillance and research in the area of hospital epidemiology, antibiotic consumption and antimicrobial resistance, outbreak investigation of infections caused by emerging and reemerging agents, multidrug resistant organisms, infection control, evaluation of efficacy of preventive measures. Expert analysis on data obtained through epidemiological surveillance.		
Content of the subject <i>Theoretical lectures</i> <ol style="list-style-type: none"> 1. International and national criteria and definitions for healthcare associated infections 2. Different methods to surveil health care associated infections. Reporting 3. Detection and outbreak investigation in health care facilities 4. Epidemiological characteristics of hospital infections of certain site and infection control 5. Epidemiological characteristics of infections associated with certain medical procedures and infection control 6. Multidrug resistant organisms and healthcare associated infections 7. International networks and programmes to research antimicrobial resistance and healthcare associated infections <i>Practical lectures</i> Content of practical lectures will be adapted to the doctoral thesis of each doctoral candidate. Each candidate will perform evaluation of specific problem encompassed by his/her thesis in the form of seminary paper.		
Recommended literature <ol style="list-style-type: none"> 1. Damani, NN. Manual of Infection Prevention and Control. 4th ed. Oxford University Press, New York, 2019. 2. Mayhall CG. Hospital Epidemiology and Infection Control, 4th ed. Baltimor, Maryland. Lippincott Williams & Wilkins; 2011. 3. ECDC. Commission Implementing Decision (EU) 2018/945 of 22 June 2018 on the communicable diseases and related special health issues to be covered by epidemiological surveillance as well as relevant case definitions. 4. Suggested relevant websites 5. Lecture notes and slides 		
Number of active classes	Theory: 60	Practice: 45
Methods of delivering lectures Lectures, exercises, seminar		
Evaluation of knowledge (maximum number of points 100) lectures activity: 20 seminar: 30 written exam: 50		