



Study program: Doctoral Academic Studies in Biomedical Sciences		
Name of the subject: ETIOLOGY, DISTRIBUTION AND PREVENTION OF CHRONIC NON-COMMUNICABLE DISEASES		
Teacher(s): Tihomir I. Dugandžija, Jelena Đekić Malbaša		
Status of the subject: elective		
Number of ECTS points: 20		
Condition: -		
Goal of the subject The goal of the doctoral program of this subject is to educate students about importance of chronic non-communicable diseases with emphasis to etiology, distribution and prevention.		
Outcome of the subject Identification of leading health problems, definition and analysis of causes and risk factors of non-communicable diseases, distribution of diseases and identification of prevention measures of diseases. The introduction with tools of modern epidemiology in the field of chronic non-communicable diseases, with emphasis on statistics, genetics, genomics and bioinformatics. Design the best studies and apply appropriate research methods to answer public health research questions.		
Content of the subject <i>Theoretical lectures</i> <ul style="list-style-type: none"> - Introduction to non-communicable disease - Diagnostic test - Disease prevention - Causation in epidemiology - Cancer epidemiology - Cardiovascular diseases epidemiology - Epidemiology of mental health disorders - Neuroepidemiology - Epidemiology of chronic respiratory diseases - Epidemiology of gastrointestinal diseases - Epidemiology of endocrine and metabolic diseases - Injuries and violence <i>Practical lectures</i> <ul style="list-style-type: none"> - Measures of morbidity - Measures of mortality - Screening - Cervical cancer screening - Colorectal cancer screening - Breast cancer screening - Use of diagnostic test - Level of prevention 		
Recommended literature <ol style="list-style-type: none"> 1. Gordis L. Epidemiology. 5th ed. Baltimore: Elsevier Saunders; 2013 2. Rothman KJ, Greenland S, Lash TL. Modern Epidemiology. 3rd ed. Philadelphia: Lippincott, Williams & Wilkins; 2008. 3. Labarthe D.R. Epidemiology and prevention of cardiovascular disease: A global challenge. 2nd edition. Sudbury: Jones and Burtlett publishers; 2011 4. De VitaVT, Helman S, Rosenberg SA (editors). Cancer: Principles and Practice of Oncology. 11th ed. (electronic version, CD). Philadelphia: Lippincott Williams and Wilkins; 2018 5. Suggested relevant websites 6. 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