



<b>Study program:</b> Doctoral Academic Studies in Biomedical Sciences		
<b>Name of the subject:</b> ETIOLOGY, DISTRIBUTION AND PREVENTION OF CHRONIC NON-COMMUNICABLE DISEASES		
<b>Teacher(s):</b> Tihomir I. Dugandžija, Jelena Đekić Malbaša, Mikov M. Ivan, peričević Medić R. Sonja		
<b>Status of the subject:</b> elective		
<b>Number of ECTS points:</b> 20		
<b>Condition:</b> -		
<b>Goal of the subject</b> 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.		
<b>Outcome of the subject</b> 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.		
<b>Content of the subject</b> <i>Theoretical lectures</i> <ul style="list-style-type: none"> <li>- Introduction to non-communicable disease</li> <li>- Diagnostic test</li> <li>- Disease prevention</li> <li>- Causation in epidemiology</li> <li>- Cancer epidemiology</li> <li>- Cardiovascular diseases epidemiology</li> <li>- Epidemiology of mental health disorders</li> <li>- Neuroepidemiology</li> <li>- Epidemiology of chronic respiratory diseases</li> <li>- Epidemiology of gastrointestinal diseases</li> <li>- Epidemiology of endocrine and metabolic diseases</li> <li>- Injuries and violence</li> </ul> <i>Practical lectures</i> <ul style="list-style-type: none"> <li>- Measures of morbidity</li> <li>- Measures of mortality</li> <li>- Screening</li> <li>- Cervical cancer screening</li> <li>- Colorectal cancer screening</li> <li>- Breast cancer screening</li> <li>- Use of diagnostic test</li> <li>- Level of prevention</li> </ul>		
<b>Recommended literature</b> <ol style="list-style-type: none"> <li>1. Gordis L. Epidemiology. 5<sup>th</sup> ed. Baltimore: Elsevier Saunders; 2013</li> <li>2. Rothman KJ, Greenland S, Lash TL. Modern Epidemiology. 3<sup>rd</sup> ed. Philadelphia: Lippincott, Williams &amp; Wilkins; 2008.</li> <li>3. Labarthe D.R. Epidemiology and prevention of cardiovascular disease: A global challenge. 2<sup>nd</sup> edition. Sudbury: Jones and Burtlett publishers; 2011</li> <li>4. De Vita VT, Helman S, Rosenberg SA (editors). Cancer: Principles and Practice of Oncology. 11<sup>th</sup> ed. (electronic version, CD). Philadelphia: Lippincott Williams and Wilkins; 2018</li> <li>5. Suggested relevant websites</li> <li>6. Lecture notes and slides</li> </ol>		
<b>Number of active classes</b>	<b>Theory:</b> 60	<b>Practice:</b> 45
<b>Methods of delivering lectures</b> Lectures, exercises, seminar		
<b>Evaluation of knowledge (maximum number of points 100)</b>		

lectures activity: 20

seminar 30

written exam: 50