

<b>Study program:</b> Doctoral Academic Studies in Biomedical Sciences		
<b>Name of the subject:</b> GASTROENTEROLOGY		
<b>Teacher(s):</b> Ivan V. Nikolić, Željka S. Savić, Lazar S. Popović, Mlađan B. Protić, Sanja S. Stojanović, Maja S. Ružić		
<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 course Gastroenterology is gaining knowledge from the scientific field of gastroenterology as well as from other fields like radiology, interventional radiology, nuclear medicine, surgery etc. that provide multidisciplinary approach to the gastroenterology. Students will also gain, assess and critically analyze innovations, ideas and tendencies in modern gastroenterology and oncology. They will be trained to use scientific results in the development of academic and professional community. The goal of the course is also to provide gaining the knowledge and skills that will facilitate realization of students' PhD thesis.		
<b>Outcome of the subject</b> Students will be introduced to current issues in gastroenterology and oncology. They will be trained to gain, assess and critically analyze innovations, ideas and tendencies in this areas, including correct interpretation of scientific content and unsolved problems; this will provide innovative approach to scientific work and development of academic and professional community. Gained knowledge and skills and adopted scientific methodology will facilitate realization of students' PhD thesis.		
<b>Content of the subject</b> <i>Theoretical lectures:</i> <ol style="list-style-type: none"> <li>Advanced imaging and interventional methods in gastroenterology (oncology)</li> <li>Endoscopy in gastroenterology</li> <li>Biomarkers and personalized therapy in oncology</li> <li>Biological markers in everyday treatment of colon cancer</li> <li>Biological therapy in gastroenterology</li> <li>Biological therapy in oncology</li> <li>Immunotherapy in oncology</li> <li>Surgery in metastatic stadium of cancer</li> <li>Current approach to diagnostics and therapy of viral hepatitis</li> <li>Laboratory diagnostics of hormonal disturbances in liver cirrhosis</li> <li>A review of investigations of the portal hypertension</li> <li>Alcohol-related liver diseases – past and future</li> <li>Multidisciplinary approach to the treatment of the rectal carcinoma</li> <li>Therapeutic modalities in the treatment of the pancreatic cancer</li> </ol>		
<b>Recommended literature</b> <ol style="list-style-type: none"> <li>Kasper DL, Fauci AS, Hauser SL, Longo DL, Jameson L, Loscalzo J. Harrison's Principles of Internal Medicine, 20th Ed. McGraw-Hill, 2018.</li> <li>Ralston SH, Penman ID, Strachan MWJ, Hobson RP. Davidson's Principles and Practice of Medicine, 23rd Ed. Elsevier, 2018</li> </ol> <i>Additional recommended by the lecturer</i>		
<b>Number of active classes</b>	<b>Theory:</b> 60	<b>Practice:</b> 45
<b>Teaching methods:</b> Mentoring, lectures, consultations, debates, discussions and essays		
<b>Evaluation of knowledge (maximum number of points 100)</b> lectures: 30 essay: 15 written exam: 55		