

<b>Study program:</b> Integrated academic studies in dentistry			
<b>Type and level of the study program:</b> integrated academic studies			
<b>Course title: Internal medicine (DIII-INMD)</b>			
<b>Teacher:</b> Ilić A. Tatjana, Knežević V. Violeta, Mitić M. Igor, Popović S. Milica, Stražmešter Majstorović B. Gordana, Čelić M. Dejan, Bajkin A. Ivana, Ičin S. Tijana, Medić Stojanoska K. Milica, Pejin D. Radoslav, Popović S. Đorđe, Stokić J. Edita, Tomić Naglić D. Dragana, Savić S. Željka, Perčić Z. Ivanka, Savić D. Aleksandar, Sekulić R. Borivoj, Urošević M. Ivana, Bursać Daliborka, Vukoja N. Marija, Zarić M. Bojan, Zvezdin S. Biljana, Ilić P. Miroslav, Kašiković Lečić B. Svetlana, Kolarov P. Violeta, Kopitović Š. Ivan, Obradović S. Dušanka, Sečen G. Nevena, Šarčev V. Tatjana, Bjelobrk Marija, Dejanović V. Jadranka, Ilić M. Aleksandra, Ivanov Đ. Igor, Kovačević V. Dragan, Miljković R. Tatjana, Petrović S. Milovan, Sakač B. Dejan, Stojšić Milosavljević Đ. Anastazija, Tadić J. Snežana, Čanković Z. Milenko, Čemerlić Adić B. Nada, Kolarov Bjelobrk N. Ivana, Nikolić V. Ivan, Budakov Obradović P. Zorana, Vojvodić I. Svetlana			
<b>Course status:</b> compulsory			
<b>ECTS Credits:</b> 7			
<b>Condition:</b> General and Oral Pathology; Pathophysiology; General Pharmacology, Special Pharmacology, Radiology			
<b>Course aim</b> The main goal of education in internal medicine in Integrated studies in dentistry is getting acquainted with current theoretical practical professional knowledge from internal medicine and ability to apply the acquired knowledge in the professional practice and scientific research. Development of critical thinking, autonomy in the implementation of diagnostic and therapeutic procedures and the development of capacity for teamwork.			
<b>Expected outcome of the course:</b> Students will acquire the necessary knowledge in the field of internal medicine - pulmonology, cardiology, hematology, gastroenterology and hepatology, nephrology and clinical immunology and be able to identify the disease and to apply appropriate treatment. Students should be able to manage severely and vitally endangered patients, to establish the diagnosis and to plan and implement the appropriate therapeutic procedures. Students are trained for individual and team work in recognizing the cardiovascular, pulmonary, nephrological, endocrinological, gastroenterological, hematological and oncologic disorders, as well as implementation of diagnostic and therapeutic procedures.			
<b>Course description</b> <i>Theoretical education</i> 1. History taking, physical examination. 2. HEMATOLOGY Hematopoiesis. Anemia, iron deficiency, anemia, aplastic, megaloblast, hemolytic anemia. Agranulocytosis, myeloproliferative disease, myelodysplastic syndrome. Acute and chronic leukemia. Lymphoma, multiple myeloma. Hemorrhagic syndrome. Endocrinology. Diseases of the hypothalamus and pituitary gland. Diseases of the parathyroid glands and metabolic diseases of bones. Diseases of the adrenal glands. Obesity and hyperlipoproteinemia. Etiopathogenesis, clinical features and diagnosis of diabetes complications. Diabetes therapy. 3. NEPHROLOGY. Clinical syndromes and classification glomerulopathy. Glomerulonephritis, RPGN acute, persistent, chronic. Acute and chronic pyelonephritis, nephrolithiasis. Acute and chronic renal failure. Immune disorders and autoimmune diseases. Pharmacological and nutritional allergy. 4. GASTROENTEROLOGY. Methods of examination of the abdomen. Diagnosis of diseases of the gastrointestinal tract. Diseases of the esophagus. A hiatus hernia. Gastritis, peptic ulcer disease, gastric carcinoma. Diseases of the small intestine and colon. Diseases of pancreas, pancreatitis, pancreatic carcinoma. Diseases of the liver, hepatitis and cirrhosis. Diseases of the gallbladder, cholelithiasis, cholecystitis. 5. PULMONOLOGY. The history and physical tests, diagnostic radiology in pulmonology. Diagnostic bronchoscopy. Microbiological and allergological tests. Acute bronchopulmonary disease, pneumonia, bronchiectasis pulmonary thromboembolism. Obstructive pulmonary disease. The definition of chronic bronchitis. Definition and classification of emphysema. Bronchial asthma. Causes, pathophysiological mechanisms of respiratory failure. Acute and chronic respiratory failure, pleural disease, pleural effusions. Pulmonary tuberculosis. General and respiratory symptoms, clinical tuberculous pleurisy. 6. CARDIOLOGY. Symptomatology of the bloodstream. Etiology of heart and vascular diseases. Test methods for the cardiovascular system. Heart disorders: congenital and acquired. Rheumatic fever. Endocarditis. Acute and chronic pulmonary heart. Sincopal situation in cardiology. Arterial hypertension. Coronary disease and acute myocardial infarction, cardiac rhythm diseases of the arteries and veins. Heart failure and its treatment. Cardiopulmonary resuscitation. Prevention of cardiovascular disease.  <i>Practical education: exercises, other forms of education, research related activities</i> 1. Anamnesis Physical examination: vital signs, general inspection, examination of the head and neck 2. Diseases of the cardiovascular system 3. Diseases of respiratory system 4. Diseases of endocrine system and metabolic disorders 5. Diseases of gastrointestinal system, liver and pancreas 6. Diseases of kidneys and clinical immunology 7. Diseases of hematopoietic organs			
<b>Literature</b> <i>Compulsory</i> 1. Harrison's Principles of Internal Medicine, 19th Edition Textbook; 2. Lecture handouts and notes			
<b>Number of active classes</b>			Other:
Lectures:	Practice:	Other types of teaching:	
Research related activities:			

45	60		
<b>Teaching methods:</b> Theoretical and practical			
<b>Student activity assessment</b> (maximally 100 points)			
<b>Pre-exam activities</b>	<b>points</b>	<b>Final exam</b>	<b>points</b>
Lectures	10	Written	10
Practices	20	Oral	60
Colloquium			
Essay			