

Name of the course	Clinical Rotation: Internal Medicine			Code	MSE513
Type of study program:	Integrated university study program, Medicine			Year of study:	5
Credits (ECTS):	5.0	Semester:	X	Number of hours per semester (l+s+e):	100 (0+20+80)
Status of the course:	obligatory	Preconditions:	According to the Rulebook on Studying	Comparative conditions:	/
Access to course:	Fifth year students			Hours of instructions:	According to schedule
Course teacher:	Assistant professor Maja Karin, MD, PhD				
Consultations:	As agreed with students				
E-mail address and phone number:	majakarin78@gmail.com				
Associate teachers:	Assistant professor Ante Bogut, MD, PhD Assistant professor Emil Babić, MD, PhD Assistant professor Kristina Galić, MD, PhD Assistant professor Nataša Pejanović-Škobić, MD, PhD Assistant Professor Svjetlana Grgić, MD, PhD Assistant professor Fila Raguž, MD, PhD Assistant professor Benjamin Palić, MD, PhD Sanja Bevanda, MD, Omer Manov, MD, Belma Sarić, MD Tanja Zovko, MD, PhD				
Consultations:					
E-mail address and phone number:					
The aims of the course:	<ul style="list-style-type: none"> To provide the undergraduate medical students with adequate knowledge about causes, clinical presentation, diagnostics and treating internal diseases. To promote positive attitudes that are important for medical students in communication with patients, colleagues and co-workers in the health care. 				
Learning outcomes (general and specific competences):	<u>General outcomes:</u> <ul style="list-style-type: none"> To understand the most common internal diseases, the principles of recognition and treatment, and the emergencies in internal medicine. To describe the most common pulmonary, neurological and infectious diseases. <u>Specific outcomes:</u> <ul style="list-style-type: none"> To apply the practical skills and knowledge on the algorithms of the procedures and examinations that are warranted for the integration of a differential diagnosis, as well as for the treatment of the patients. To explain and analyze the emergency conditions, their treatment and the approach to patients. To understand the importance of an active participation in disease prevention and health preservation. To apply the knowledge in patient counseling about the drug effects and correct routes of administration. 				
Course content (Syllabus):	The course consists of 100 hours of instructions that are divided into exercises and seminars, which take place at the Department of Internal Diseases, the Department of Infectious Diseases, the Department of Neurology and the Department of Pulmonology. In addition to practical work, which is accompanied by assistants and professors, daily seminars on the most common internal diseases are held.				
Format of instruction	Lectures	Exercises (clinical practice)	Seminars	Independent assignments	

(mark in bold):	Consultations	Work with mentor	Field work	Other
Student responsibilities:	Students are required to attend classes, it is allowed to justifiably be absent from 20% of classes.			
Screening student work (mark in bold):	Class attendance	Class participations	Seminar essay	Practical training
	Oral exam	Written exam	Continuous assessment	Essay
Detailed evaluation within a <i>European system of points</i>				
STUDENTS RESPONSIBILITIES	HOURS	PROPORTIONS OF ECTS CREDITS	PROPORTIONS OF MARK	
Class attendance and participations	20	0.7	0%	
Practical training and work with supervision	80	2.7	0%	
Seminar essay	10	0.3	50%	
Written exam	40	1.3	50%	
TOTAL:	150	5	100%	
Further clarification: Evaluation is descriptive (pass/fail)				
The exam consists of two parts: seminar work and written exam. Condition that should be fulfilled in order to take the exam is a certificate of regular attendance (exercises and seminars), 20% of absence is allowed. Students must submit a seminar in a written form and give an oral presentation during the course. The Written exam consists of five described topics addressed at seminars. The result of the exam is recorded descriptively (as passed or failed).				
Required literature:	<ol style="list-style-type: none"> 1. Jameson JL et al. Harrison's Principles of Internal Medicine. 20th Edition, McGraw-Hill professional, 2018. 2. Southwick F. Infectious diseases: a clinical short course. 4th edition, McGraw-Hill 2020. 3. Simon RP, Aminoff MJ, Greenberg DA. Clinical Neurology. 10th Edition. New York: Lange Medical Books/McGraw Hill, 2018. course. 4th edition, McGraw-Hill 2020. 			
Optional literature:	4. Lecture handouts			
Additional information about the course:	Methods of monitoring the quality of teaching: <ul style="list-style-type: none"> - Student questionnaire - Analysis of the quality of teaching by students and teachers - Analysis of exam results - Report of the Quality assurance office - Self-evaluation and external evaluation (visit of the team from Quality assurance office) 			

Annexes: calendar classes

The number of teaching unit	TOPICS AND LITERATURE
I.	Title: Intestinal infections
	Short description: Familiarization with the etiology of a wide range of intestinal infections, clinical picture, differential diagnosis, tests and treatment.
	Literature: required and optional
II.	Title: Systemic lupus erythematosus (SLE)
	Short description: Familiarization with a possible etiology of SLE, differential diagnosis, criteria for diagnosing SLE, treatment.
	Literature: required
III.	Title: Diabetes mellitus with acute and chronic complications
	Short description: Familiarization with types of diabetes, recognizing acute complications of diabetes, preventing chronic complications. Treatment of diabetes mellitus with emphasis on patient education.

	Literature: required
IV.	Title: Thyroid diseases
	Short description: Etiology of thyroid disease, clinical picture of various thyroid gland diseases, differential diagnosis, treatment. Diseases of thyroid gland in pregnancy.
	Literature: required
V.	Title: Acute renal insufficiency
	Short description: Causes of acute renal insufficiency, the tests that need to be made in differentiating the causes of acute renal insufficiency. Treatment of acute renal insufficiency, basics of hemodialysis.
	Literature: required
VI.	Title: Chronic renal insufficiency
	Short description: The causes of chronic renal insufficiency, clinical stages of CRI, approach and treatment of patients at each stage of renal insufficiency. The basic principles of dialysis (hemodialysis, peritoneal dialysis). Kidney transplantation.
	Literature: required
VII.	Title: Gastrointestinal bleeding
	Short description: Causes of gastrointestinal bleeding, differentiation of bleeding sites, diagnostic tests, approach to the patient with gastrointestinal bleeding and treatment.
	Literature: required
VIII.	Title: Pancreatitis
	Short description: The most common causes of acute and chronic pancreatitis, clinical criteria for diagnosis and severity of the disease, diagnostic methods, approach to treating patients with acute and chronic pancreatitis.
	Literature: required
IX.	Title: Liver cirrhosis and complications
	Short description: The most common causes of liver cirrhosis, its complications, diagnostic methods in diagnosis. Treatment of liver cirrhosis, prevention of complications as well as treatment of complications.
	Literature: required
X.	Title: Cardiac insufficiency
	Short description: Etiology of cardiac insufficiency, early recognition of disease, clinical picture, diagnostic examinations and treatment.
	Literature: required
XI.	Title: Acute coronary syndrome
	Short description: Differential diagnosis of chest pain, guidelines for diagnosis of acute coronary syndrome and treatment of acute coronary syndrome.
	Literature: required
XI.	Title: Pulmonary embolism
	Short description: Discuss the causes of pulmonary embolism, differential diagnosis, and urgent recognition and treatment of a pulmonary embolism.
	Literature: required
XII.	Title: Respiratory insufficiency and gas analysis
	Short description: Familiarization with diseases and conditions that can lead to respiratory insufficiency, gas analysis, interpretation of gas analysis findings, and treatment of respiratory insufficiency.
	Literature: required
XIII.	Title: Approach to a haematological patient
	Short description: Familiarization with the basics of hematology diseases, the necessary laboratory tests, puncture, bone biopsy, radiological diagnosis.
	Literature: required
XIV.	Title: Anemia
	Short description: Causes of anemia, basic laboratory tests needed for diagnosis of anemia, other examinations for anemia diagnosis, differential diagnosis and treatment.
	Literature: required

<i>XV.</i>	Title: CVI
	Short description: approach to patients with stroke, diagnostic methods and treatment.
	Literature: required and optional