

Name of the course	Clinical Propedeutics			Code	MSE305
Type of study program:	Integrated university studies, Medicine			Year of study:	3
Credits (ECTS):	4.5	Semester:	VI	Number of hours per semester (l+s+e)	100 (30+0+70)
Status of the course:	obligatory	Preconditions:	Passing all of the courses from the 2 nd year	Comparative conditions:	/
Access to course:	Third year medical students			Hours of instructions:	According to schedule
Course teacher:	Professor Monika Tomić, MD, PhD				
Consultations:	As agreed with students				
E-mail address and phone number:	monika.tomic@farf.sum.ba				
Associate teachers	Professor Monika Tomić, MD, PhD Professor Danijel Pravdić, MD, PhD Assistant professor Mirjana Vasilj, MD, PhD Assistant professor Emil Babić, MD, PhD Assistant professor Kristina Galić, MD, PhD Assistant professor Maja Karin, MD, PhD Fila Raguž, MD, PhD Ivica Markota, MD, MSc Sanja Bevanda, MD				
Consultations:	As agreed with students				
E-mail address and phone number:					
The aims of the course:	Clinical propedeutics course is an introduction to clinical medicine. Students gain knowledge and skills necessary for patients' examination and are introduced to the leading signs and syndromes in internal medicine.				
Learning outcomes (general and specific competences):	<p><u>Upon completion of the course, students will be able to:</u></p> <ul style="list-style-type: none"> • Understand the Clinical Propedeutics and clinical examination as a base for branches of clinical medicine. • Take medical history independently, communicate and care for patient. • Evaluate of essential and non-essential data. • To describe and analyze the key ethical and legislative principles of the independent approach to the patient and his family • Describe the theoretical basis of inspection, palpation, percussion, auscultation. • Analyze the vital signs - heart rate, blood pressure, respiration, body temperature. • Apply the inspection of the head and neck, • Demonstrate percussion and auscultation including a description of the mechanisms of changing percutaneous sound. • Describe the theoretical part of the physical examination of the heart (percussion and auscultation of the heart) and demonstrate the examination of the heart • Explain the topography of the abdomen and the technique of physical examination of the abdomen. • Analyze the clinically significant changes in peripheral arterial pulse. • Evaluate differential diagnosis of chest pain and abdominal pain. • Analyze the most common causes of cough and hemoptysis. • Explain the mechanisms of edema. • Describe the manifestations of gastrointestinal bleeding (hematemesis, melena, haematochesia, occult blood) and understand the most common cause of bleeding from the gastrointestinal tract. • Evaluate the differential diagnosis of icterus and ascites 				

	<ul style="list-style-type: none"> Define and describe the cardiac arrest, describe and explain how to approach and handle a patient with loss of consciousness. 			
Course content (Syllabus):	<p>Introduction to clinical medicine and basic concepts of disease; Introducing students with clinical medicine; theoretical knowledge and practical skills required for a clinical examination of the patient and history taking; Physical examination of the patient - inspection, palpation, percussion, auscultation; General status of patients; Inspection of the head, neck and chest; Examination of the lungs and heart; Examination of the abdomen and extremities; Symptoms and signs of a disease (chest pain, abdominal pain, cough, and hemoptysis, dyspnea, hypoxia, polycythemia, cyanosis, edema, shock, cardiovascular collapse, heart failure, sudden death, gastrointestinal bleeding, jaundice, abdominal swelling, meteorism, ascites, micturition disorders); Basic laboratory and instrumental tests in clinical medicine and proper interpretation of their results in diagnostic process; Quantitative aspects of clinical judgment; Interpretation of etiology and leading signs and symptoms of illness of the internal organs (the organ systems).</p>			
Format of instruction (mark in bold)	Lectures	Exercises	Seminars	Independent assignments
	Consultations	Work with mentor	Field work	Other
Student responsibilities:	Attending and actively taking part in 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 European system of points				
STUDENTS RESPONSIBILITIES	HOURS	PROPORTIONS OF ECTS CREDITS	PROPORTIONS OF MARK	
Class attendance and participations	100	3.3	0%	
Practical and Oral Exam	35	1.2	100%	
Total	135	4.5	100%	
<p>Further clarification: The practical exam consists of several tasks that test the acquired knowledge of history taking, clinical examination of the patient and differential diagnosis. The oral exam includes parts from general and special clinical propaedeutics. The final exam requires integrative knowledge that is necessary to understand the entire subject, medical practice or to understand other subjects.</p>				
Required literature:	1. Izet Hozo et al. Internal Medicine Propedeutics, Clinical examination and Communication Skills, Split University, School of Medicine, 2013			
Optional literature:	1. Study materials from lectures (handouts etc.)			
Additional information about the course	Means of course quality control: Student questionnaire Quality analysis by students and teachers Analysis of student passing rate Office for course quality control report Self-evaluation and out of institutional evaluation (visits by quality control teams)			

ANEX: Calendar classes

<i>The number of teaching units</i>	TOPICS AND LITERATURE
I.	<p>Title: General propedeutics</p> <p>Short description: Introductory lecture. Introduction to hospital work. The concept of illness. Relationship of a doctor and a patient. Medical secret.</p> <p>Literature: required and optional</p>
II.	<p>Title: Anamnesis</p> <p>Short description: General information about the patient. Family history. Personal anamnesis. Social anamnesis.</p> <p>Literature: required and optional</p>
III.	<p>Title: Examination of the patient</p> <p>Short description: Inspection, palpation, percussion, auscultation. Head and neck status. Chest status.</p> <p>Literature: required and optional</p>
IV.	<p>Title: Examination of the patient</p> <p>Short description: Lungs' examination. Heart examination, pulse, blood pressure. Abdominal status. Examination of legs and arms.</p> <p>Literature: required and optional</p>
V.	<p>Title: Basic laboratory tests.</p> <p>Short description:</p> <p>Literature: required and optional</p>
VI.	<p>Title: Instrumental tests</p> <p>Short description: ECG. X rays of the lungs and bones. Endoscopic examinations. Ultrasound. Tests with radioisotopes. Computerized tomography. Nuclear magnetic resonance.</p> <p>Literature: required and optional</p>
VII.	<p>Title: Propedeutics of cardiovascular diseases.</p> <p>Short description:</p> <p>Literature: required and optional</p>
VIII.	<p>Title: Propedeutics of gastrointestinal, liver and pancreatic diseases</p> <p>Short description:</p> <p>Literature: required and optional</p>
IX.	<p>Title: Propedeutics of renal diseases</p> <p>Short description:</p> <p>Literature: required and optional</p>
X.	<p>Title: Propedeutics of hematologic diseases</p> <p>Short description:</p> <p>Literature: required and optional</p>
XI.	<p>Title: Propedeutics of endocrine and metabolic diseases</p> <p>Short description:</p> <p>Literature: required and optional</p>
XII.	<p>Title: Propedeutics of respiratory diseases</p> <p>Short description:</p> <p>Literature: required and optional</p>
XIII.	<p>Title: Propedeutics in surgery</p> <p>Short description:</p>

	Literature: required and optional
<i>XIV.</i>	Title: Propedeutics in infectology
	Short description:
	Literature: required and optional
<i>XV.</i>	Title: Propedeutics in dermatovenerology
	Short description:
	Literature: required and optional
<i>XVI.</i>	Title: Propedeutics in neuropsychiatry
	Short description:
	Literature: required and optional