

CLINICAL PROPEDEUTICS	
GENERAL INFORMATION	
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Study Programme	Integrated undergraduate and graduate university study of Medicine
Status of the course	Mandatory
Year of study, semester	3rd year, 6th semester
Credit value (ECTS)	6
Workload (hours)	Lectures (60); Seminars (47); Exercises(60)
Expected enrolment in the course	70
COURSE DESCRIPTION	
Course objectives	
To teach students how to take an anamnesis correctly, and based on this data to decide which tests are necessary for further treatment of the patient. To train students to determine the patient's problem and urgency as accurately as possible through a proper and thorough clinical examination along with anamnestic data. Based on the obtained data, they must know which patient they will continue to treat themselves and which one they will send for further treatment to doctors of other specialties.	
Enrolment requirements and entry competencies	
Passed exams from earlier years of studies and participation in all studies from the 3 rd year	

Learning outcomes at the Programme level
1.1.,1.2.,2.1.,2.2.,2.3.,3.1.,3.2.,3.3.,3.4.,3.5.,4.1.,4.2.
Learning outcomes (5-10)
<p>After attending lectures, completing seminars and exercises, independent study, and passing the exam, students will:</p> <ol style="list-style-type: none"> 1. learn to interpret the data obtained from the patient. 2. determine whether there are changes in the status of individual organs that will justify further diagnostic procedures. 3. based on a properly taken medical history and clinical examination, always establish a working diagnosis, which will be proven by additional laboratory and radiological methods. 4. know how to evaluate which patients are urgent compared to those who can carry out treatment and follow-up on their own. 5. learn to valorize diagnostic procedures so that, with the necessary examinations and interventions, they arrive at a diagnosis as soon as possible and, therefore, with adequate treatment. 6. learn to choose an option when it is necessary to educate patients, on how additional supportive treatment can lead to an improvement in their health condition and, with optimal treatment, to a satisfactory quality of life.
Course content
<p>Lectures</p> <p>Get to know in detail how to obtain important information about the disease from the patient in the optimal time, which we will use further in processing and treatment. For the obtained data, there are appropriate algorithms that help us in further processing. Strive to arrive at a diagnosis with the optimal number of diagnostic methods, without harming the patient. Relate the influence of other diseases that the patient has as well as the medications he takes on the clinical picture and the complaints that caused him to come. Know how to connect the problems of one organ system with the clinical picture that led to difficulties in another organ system (for example thyroid diseases can lead to difficulties in the work of the cardiovascular and gastrointestinal systems). To learn to connect all previous knowledge of pathophysiology, pathology, and pharmacology to arrive at a diagnosis as soon as possible and thus start treatment as early as possible. The topics of the presentation are Introduction to clinical medicine and basic concepts of the disease, Anamnesis and hetero-anamnesis, physical examination of the patient, assessment of general status, Communication skills, Physical examination of the head and neck, Physical examination of the chest, Physical examination of the abdomen and genitals, Physical examination of limbs and, peripheral vascular system, Physical examination of the skin, Symptoms and signs in diseases of digestive organs with diagnostic methods, Symptoms and signs in respiratory diseases with diagnostic methods, Symptoms and signs in diseases of the heart and blood vessels with diagnostic methods, Basics of electrocardiography, Symptoms and signs in endocrine gland diseases with diagnostic methods, Symptoms and signs in diseases of the blood and blood-forming organs with diagnostic methods, Symptoms and signs in kidney and urinary tract diseases with diagnostic methods, Symptoms and signs in locomotor system diseases with diagnostic methods, Anamnesis, clinical examination and diagnostic procedures in infectious patients, Neurological symptoms and signs, Specifics of propaedeutics in elderly patients, Emergencies in internal medicine - clinical picture and basic diagnostic algorithms.</p> <p>Seminars</p> <p>Students themselves will present patients with problems of various organs or organ systems and demonstrate specifics in the clinical approach to the patient, diagnosis and treatment. To learn</p>

that, based on the obtained data and clinical examination, they have the widest possible differential diagnosis, set a working diagnosis and, with the optimal number of tests, arrive at the right diagnosis in the shortest possible time. The topics of the seminar are Access to a patient with abdominal pain, The clinical picture of acute abdomen, Access to a patient with difficulty breathing, Access to a patient with chest pain, Acute and chronic heart failure - clinical picture and approach, presentation of the patient, Effort intolerance - differential diagnostic approach, Clinical examination of patients with deep vein thrombosis, Access to a patient with swelling of the legs and abdomen, Access to patients with suspected hormonal problems, Access to a patient with enlarged lymph nodes. - Indications and methods of hemodialysis, Monitoring of hemodialysis patients, Access to a patient with pain in the musculoskeletal system, Physical findings of significant pathological changes in the limbs, Access to the patient with skin, Patient with fever - differential diagnostic approach, Nausea and vomiting - Differential diagnosis, Headaches - differential diagnosis, Presentations of cases from clinical practice.

Exercises

During the exercises, students have the opportunity to process as many patients as possible, take as many anamneses as possible and perform as many clinical examinations as possible in patients with various clinical pictures (cardiology, gastroenterology, immunology, hematology, nephrology patients...) because each of these patients has specific algorithms in diagnosis and treatment. During the exercises, each student must independently examine and take the anamnesis of at least twenty patients and comment on them together with their instructor.

Mode of teaching

Lectures; Seminars; Exercises

Student obligations

Attending all forms of classes is mandatory, and the student must pass all knowledge tests. A student can excuse himself from 30% of each form of teaching. Undone exercise must be graded

Monitoring student work (*alignment of learning outcomes, teaching methods, and grading*)

Teaching activity	ECTS	Learning outcome	Student Activity	Assessment methods	Grade points	
					Min.	Max.
Class attendance	0,5	1-6	Class attendance	Evidence sheet	5	20
Exercise	1,5	1-6	Activity and exercise attendance	Exersice sheets	15	30
Seminar	1,5	1-6	Seminar	Presentation of the seminar	1	5
Final exam	2,5	1-6	Learning for the oral exam	Oral exam	30	50
Total	6				50	100

Evaluation of final exam:

Student answer	Grade points
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The answer meets the minimum criteria	30.0	
The average answer with noticeable errors	37.0	
The very good answer with minor errors	44.0	
The exceptional answer	50.0	

Formation of the final grade:

The grades obtained during the class are joined by the points obtained in the final exam. Grading is done by absolute distribution, i.e. based on the final achievement, and is compared with the numerical system as follows:

A – excellent (5): 80-100 evaluation points; B – very good (4): 70-79.99 grade points; C – good (3): 60-69.99 grade points; D – sufficient (2): 50-59.99 grade points

Required reading (available in the library and through other media)

Title	Number of copies in the library	Availability through other media
Antonin Branko, Propedeutika Interne medicine, fourth edition, JUMENA Zagreb, 1986 g.	-	
Željko Metelko, Hrvoje Harambašić et al: Internistička propedeutika i osnove fizikalne dijagnostike, Medicinska naklada Zagreb	6	

Additional reading

Course evaluation procedures

Anonymous, quantitative, standardized student survey providing feedback on the course as well as on the work of the course coordinators and their assistants/associates is being conducted by the QA Office of the Faculty of Medicine Osijek.

Note/Other

E-learning does not count towards course contact hours, but is being used in teaching and comprises links to various web pages, as well as video and audio materials available on web pages.