



Syllabus for academic year: 2023/2024 Cycle: 2021/2022-2025/2026													
Description of the course													
Course	(in Polish) Propedeutyka Chorób Wewnętrznych								Group of detailed education results				
	(in English) Internal Medicine (Propaedeutics)								Group of classes E	Group name NON-INTERVENTIONAL CLINICAL SCIENCES			
Faculty	Faculty of Medicine												
Major	medicine												
Level of studies	<input checked="" type="checkbox"/> uniform magister studies <input type="checkbox"/> 1 <sup>st</sup> degree studies <input type="checkbox"/> 2 <sup>nd</sup> degree studies <input type="checkbox"/> 3 <sup>rd</sup> degree studies <input type="checkbox"/> postgraduate studies												
Form of studies	<input checked="" type="checkbox"/> full-time <input type="checkbox"/> part-time												
Year of studies	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6							Semester:	<input checked="" type="checkbox"/> winter <input checked="" type="checkbox"/> summer				
Type of course	<input checked="" type="checkbox"/> obligatory <input type="checkbox"/> free choice / optional												
Language of study	<input type="checkbox"/> Polish <input checked="" type="checkbox"/> English												
Number of hours													
Form of education													
	Lectures (L)	Seminars (SE)	Auditorium classes (AC)	Major Classes – not clinical (MC)	Clinical Classes (CC)	Laboratory Classes (LC)	Classes in Simulated Conditions (CSC)	Practical Classes with Patient (PCP)	Foreign language Course (FLC)	Physical Education (PE)	Vocational Practice (VP)	Directed Self-Study (DSS)	E-learning (EL)
<b>Winter semester:</b>													
Department of Internal Medicine, Pneumology and Allergology													
Direct (contact) education <sup>1</sup>		5			30								
Distance learning <sup>2</sup>	15												
<b>Summer semester:</b>													

<sup>1</sup> Education conducted with direct participation of university teachers or other academics

<sup>2</sup> Education with applied methods and techniques for distance learning



Department of Internal Medicine, Pneumology and Allergology													
Direct (contact) education		5			30								
Distance learning	15												
<b>TOTAL per year:</b>													
Department of Internal Medicine, Pneumology and Allergology													
Direct (contact) education		10			60								
Distance learning	30												
<b>Educational objectives</b> (max. 6 items) C1. mastering in taking medical history in adult patients C2. mastering in physical examination in adult patients C3. mastering in general state of health and consciousness evaluation C4. recognition of environmental and epidemiological risk factors of the most common internal diseases C5. recognition and understanding of reasons for symptoms and rules of diagnosing the most common internal diseases C6. Development social competences needed to practice the medical profession, in accordance with graduate's profile.													
<b>Education result for course in relation to verification methods of the intended education result and the type of class:</b>													
Number of detailed education result	Student who completes the course knows/is able to					Methods of verification of intended education results			Form of didactic class <i>*enter the abbreviation</i>				
<b>E.W1</b>	the environmental and epidemiological determinants of the most common diseases					written examination (test)			LL, CC, SE				
<b>E.W7</b>	1) the causes, symptoms, principles of diagnosis and therapeutic management of the most common internal diseases affecting adults and their complications: 2) cardiovascular diseases, including ischaemic heart disease, heart defects, diseases of the endocardium, heart muscle, pericardium, heart failure (acute and chronic), arterial and venous vascular diseases, hypertension - primary and secondary, pulmonary hypertension, 3) diseases of the respiratory system, including respiratory tract diseases, chronic obstructive pulmonary disease, bronchial asthma, bronchial dilatation, cystic fibrosis, respiratory infections, interstitial lung diseases, pleural diseases, mediastinal diseases, obstructive and central sleep apnoea, respiratory failure (acute and chronic), respiratory cancers, 4) diseases of the digestive system, including					written examination (test)			LL, CC, SE				



	<p>diseases of the oral cavity, oesophagus, stomach and duodenum, intestines, pancreas, liver, bile ducts and gallbladder,</p> <p>5) endocrine diseases, including hypothalamus and pituitary, thyroid, parathyroid gland, cortex of the adrenal gland and suprarenal medulla, ovarian and testicular diseases and neuroendocrine tumours, polyglandular syndromes, different types of diabetes mellitus and metabolic syndrome - hypoglycaemia, obesity, dyslipidaemia,</p> <p>6) kidney and urinary tract diseases, including acute and chronic renal failure, glomerular and interstitial kidney diseases, renal cysts, kidney stones, urinary tract infections, and urinary tract tumours, in particular of the bladder and kidney,</p> <p>7) haematopoietic diseases including bone marrow aplasia, anaemia, granulocytopenia and agranulocytosis, thrombocytopenia, acute leukaemias, myeloproliferative neoplasms and myelodysplastic/myeloproliferative neoplasms,</p> <p>8) myelodysplastic syndromes, mature B and T cell neoplasms, haemorrhagic diathesis, thrombophilia, life-threatening conditions in haematology, blood disorders in diseases of other organs,</p> <p>9) rheumatic diseases, including systemic connective tissue diseases, systemic vasculitis, arthritis with spinal involvement, metabolic bone diseases, in particular osteoporosis and osteoarthritis, gout,</p> <p>10) allergic diseases, including anaphylaxis and anaphylactic shock, and angioedema,</p> <p>11) water-electrolyte and acid-base disorders: states of dehydration, states of overhydration, electrolyte disturbances, acidosis and alkalosis;</p>		
<b>E.W23</b>	the environmental and epidemiological determinants of the most common cancers;	written examination (test)	L, CC,SE
<b>E.W24</b>	the basics of early cancer detection and principles of screening in oncology;	written examination (test)	L, CC, SE
<b>E.W40</b>	the theoretical and practical background of laboratory diagnostics;	written examination (test)	L,CC, SE
<b>E.U1</b>	conduct anamnesis with an adult patient	observation of the student's work and oral answer	CC



E.U3	conduct a complete and focused physical examination of an adult patient;	observation of the student's work and oral answer	CC
E.U7	assess the general condition, state of consciousness and awareness of the patient	observation of the student's work and oral answer	CC
E.U12	perform differential diagnosis of the most common diseases of adults and children;	observation of the student's work and oral answer	L, CC, SE
E.U14	recognises immediate life-threatening conditions;	observation of the student's work and oral answer	L, SE
E.U20	qualify the patient for home and hospital treatment	observation of the student's work and oral answer	L,SE, CC
E.U24	interpret laboratory test results and identify causes of deviations from the norm;	observation of the student's work and oral answer	L,SE, CC
E.U29	<ol style="list-style-type: none"><li>1) perform basic medical procedures and treatments including:</li><li>2) measurement of body temperature (surface and deep), heart rate measurement, non-invasive blood pressure measurement,</li><li>3) monitoring of vital signs with a cardiomonitor, pulse oximetry,</li><li>4) spirometric examination, oxygen treatment, support and mechanical ventilation,</li><li>5) inserting an oropharyngeal tube,</li><li>6) intravenous, intramuscular and subcutaneous injections, peripheral venous cannulation, collection of peripheral venous blood, collection of blood for culture, collection of arterial blood, collection of arterialised capillary blood,</li><li>7) taking nasal, throat and skin swabs,</li><li>8) bladder catheterisation in women and men, gastric probing, gastric lavage, enema,</li><li>9) standard resting electrocardiogram with interpretation, electrical cardioversion and cardiac defibrillation,</li><li>10) simple strip tests and blood glucose measurement;</li></ol>	observation of the student's work and oral answer	CC



<p>* L- lecture; SE- seminar; AC- auditorium classes; MC- major classes (non-clinical); CC- clinical classes; LC- laboratory classes; CSC- classes in simulated conditions; PCP- practical classes with patient; FLC- foreign language course; PE- physical education; VP- vocational practice; DSS- directed self-study; EL- E-learning</p>			
<b>Student's amount of work (balance of ECTS points):</b>			
<b>Student's workload</b> (class participation, activity, preparation, etc.)		<b>Student Workload</b>	
1. Number of hours of direct contact:		100	
2. Number of hours of distance learning:		30	
3. Number of hours of student's own work:		70	
4. Number of hours of directed self-study		n/a	
Total student's workload		170	
<b>ECTS points for course</b>		<b>7</b>	
<p><b>Content of classes:</b> (please enter topic words of specific classes divided into their didactic form and remember how it is translated to intended educational effects)</p>			
<p><b>Lectures</b></p> <p><b>Winter semester:</b></p> <ol style="list-style-type: none"> <li>1. Organizational issues. Medical history. Vital signs. Head and neck examination.</li> <li>2. Lung examination – part I</li> <li>3. Lung examination – part II</li> <li>4. Heart examination – part I</li> <li>5. Heart examination – part II</li> <li>6 Principles of abdomen examination – part I</li> <li>7. Abdomen examination – part II</li> <li>8. Veins and arteries examination.</li> </ol> <p><b>Summer semester:</b></p> <ol style="list-style-type: none"> <li>1. Asthma. Chronic obstructive pulmonary disease – diagnosis and management. Pneumonia – diagnosis and management</li> <li>2. Lung cancer– diagnosis and management. Pneumothorax, Atelectasis, Pleural fluid.</li> <li>3.Acquired heart defects, Rheumatic and bacterial endocarditis</li> <li>4. Dyslipidaemia and atherosclerosis. Ischemic heart disease and myocardial infarction. Heart failure.</li> <li>5. Gastric and duodenal ulcer Stomach cancer Colonic cancer</li> <li>6. Hepatic cirrhosis. Cholelithiasis. Types of icterus Acute abdomen. Acute peritonitis</li> <li>7. Urinary calculi, Urinary tract infections. Chronic kidney disease Acute kidney injury</li> <li>8. Diabetes. Hyperthyroidism, hypothyroidism and other most common endocrine glands disorders.</li> </ol>			
<p><b>Seminars</b></p> <p><b>WINTER SEMESTER:</b></p> <p><b>Seminar 1.</b> Allergology in practice: Basics of spirometry interpretation Presentation prepared by students 20-minute presentations (each clinical group 1 topic, according to the numbering, group A, topic A)</p> <ol style="list-style-type: none"> <li>1. -Asthma</li> <li>2.-COPD</li> <li>3.Food allergy</li> <li>4. Anaphylaxis</li> </ol> <p>Seminar 2. Repetition of theoretical knowledge from exercises 1-10 Test.</p>			



**SUMMER SEMESTER:** Seminar 1 Basics of differential diagnosis

Presentation prepared by students of 20-minute presentations (each clinical group 1 topic, according to the numbering, group A, topic A) )

1. Differential diagnosis of shortness of breath
2. Differential diagnosis of chest pain
3. Differential diagnosis of abdominal pain
4. Differential diagnosis of ascites

Seminar 2. Revision of theoretical knowledge from exercises 1-10. Test.

**Classes**

**Winter semester:**

1. Obtaining general medical history Physical examination (vital signs, mental status exam, skin color: cyanosis, jaundice, other abnormalities).
2. Head, neck and thyroid gland exam.
3. Chest and Lung exam (1 part)
4. Chest and Lung exam (2 part) Lung auscultation.
5. Heart examination (1 part)
6. Heart examination (2 part)
7. Examination of the abdomen (1 part)
8. Examination of the abdomen (2 part) Examination of the liver and gall bladder, the pancreas, kidneys and spleen
9. Veins and arteries examination.
10. Make up classes. Credit.

**Summer semester:**

1. Asthma, Chronic obstructive pulmonary disease, Pneumonia
2. Lung tumours. Atelectasis. Pleuritis and pneumothorax
3. Valvular disorders - clinical symptoms and physical examination.
4. Arteriosclerosis. Coronary artery disease. Myocardial infarction. Stroke. Peripheral arterial disease
5. Hypertension. Cardiac arrhythmias. Acute and chronic heart failure.
6. Gastric and duodenal ulcer. Stomach cancer. Colonic cancer. "Acute abdomen" Gastrointestinal bleeding
7. Hepatic cirrhosis and tumours. Cholelithiasis. Types of icterus. Acute and chronic pancreatitis
8. Urinary calculi, Urinary tract infections. Chronic kidney disease Acute kidney injury. Adrenal disorders: Cushing syndrome, Addison disease.
9. Diabetes. Hyperthyroidism, hypothyroidism
10. Make up classes. Credit. (2 hours)

**Other**

**Basic literature**

1. Macleod's Clinical Examination; 14th edition; J. Alastair Innes, Anna Dover, Karen Fairhurst; Copyright: 2018 ; Publisher: Elsevier
2. Bates' Guide To Physical Examination and History Taking; Lynn S. Bickley MD and all. ;Edition: 13 ; Copyright 2020; Publisher: McGraw Hill/Medical
3. Harrison's Principles of Internal Medicine, Twenty-First Edition (Vol.1 & Vol.2) Joseph Loscalzo and all. 21st Edition; Copyright 2022; Publisher: McGraw Hill/Medical

**Additional literature and other materials**

1. Davidson's Principles and Practice of Medicine; vol 1-3; Stuart H. Ralston and all; 23rd edition; Copyright 2018; Publisher: Elsevier

**Preliminary conditions:**

Students are prepared on current and existing classes.



Students has knowledge of anatomy, biochemistry and human physiology.  
Students have knowledge about the policy of dealing with the COVID-19 pandemic.

### Rules for granting partial grades in the subject during the semester:

#### Conditions to receive credit for the course:

The exam and credit takes place in direct contact with the teacher. In justified cases, the Rector's decision may take place remotely.

Credit in the winter semester is with a grade (carried out by the assistant conducting the classes)

Conditions for credit in the winter semester

1. Mastering knowledge to a satisfactory degree in the subject of classes

- practical test of the physical examination (passing 60% correct answers)
- making a presentation at the seminar
- theoretical test 10 MCQ questions (1 verstraktor 3 distractors) without assessment. Takes the answer to 6 or more questions.

Credit in the summer semester is with a grade (conducted by the assistant conducting the classes)

Conditions for credit in the summer semester

1. Mastering knowledge to a satisfactory degree in the subject of exercises

- practical test of the physical examination
- making a presentation at the seminar
- theoretical test 10 MCQ questions (1 verstraktor 3 distractors). Takes the answer to 6 or more questions.

The condition for taking the exam is obtaining from the classes.

The final exam is conducted in the form of the MCQ 60 questions test - 1 verstraktor 3 distractors (first term) and in the oral form (second and third term, commission exam, in direct contact with the academic teacher)

The grading system is given below.

Grade:	Criteria for courses (the first semester credit with a grade)
Very Good (5.0)	<b>85%-100% correct answers to questions</b> very good knowledge of the methodology of medical history collecting and physical examination, very good knowledge of the symptomatology of the diseases discussed during the classes,
Good Above (4.5)	<b>80%-84% correct answers to questions</b> better than good knowledge of the methodology of medical history collecting and physical examination, better than good knowledge of the symptomatology of the diseases discussed during the classes,
Good (4.0)	<b>75%-79% correct answers to questions</b> good knowledge of the methodology of medical history collecting and physical examination, good knowledge of the symptomatology of the diseases discussed during the classes,
Satisfactory Plus (3.5)	<b>70%-74% correct answers to questions</b> better than satisfactory knowledge of the methodology of medical history collecting and physical examination, better than satisfactory knowledge of the symptomatology of the diseases discussed during the classes,
Satisfactory (3.0)	<b>60%-69% correct answers to questions</b> satisfactory knowledge of the methodology of medical history collecting and physical examination, satisfactory knowledge of the symptomatology of the diseases discussed during the classes,



Credit	
Grade:	Criteria for exam
Very Good (5.0)	54-60 correct answers in the written test
Good Above (4.5)	49-53 correct answers in the written test
Good (4.0)	45-48 correct answers in the written test
Satisfactory Plus (3.5)	41-44 correct answers in the written test
Satisfactory (3.0)	36-40 correct answers in the written test

Department in charge of the course: <sup>5</sup>	Department of Internal Medicine, Pneumology and Allergology
Head of Department in charge of the course:	<b>Dr n.med. Robert Pawłowicz</b>
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Coordinator of the course:	
Telephone:	
E-Mail:	

CONSULTATION: Detailed information pertaining to the dates and places for consultation of academic staff are provided on the university websites of the departments in which the given subjects are being conducted. Additionally the information is posted next to the department secretary.

Date of Syllabus development
26.07.2023