

SYLLABUS
concerning the cycle of education 2023-2029

(date range)

1.1. BASIC INFORMATION CONCERNING THIS SUBJECT / MODULE

Subject / Module	Internal diseases
Course code / module *	ChW/E
Faculty of (name of the leading direction)	Medical College of Rzeszów University
Department Name	Medical College of Rzeszów University
Field of study	medical direction
Level of education	uniform master's studies
Profile	practical
Form of study	stationary / extramural
Year and semester	year IV, semester VII
Type of course	obligatory
Coordinator	Dr hab. n. med. Rafał Filip
First and Last Name of the Teacher	

* - According to the resolutions of the Faculty of Medicine

1.2. Forms of classes, number of hours and ECTS

Lecture	Exercise	Conversation	Laboratory	Seminar	ZP	Practical	Self-learning	Number of points ECTS
15	55	-	-	20	-	-	-	4

1.3. The form of class activities

☒ classes are in the traditional form

☐ classes are implemented using methods and techniques of distance learning

1.4. Examination Forms / module (exam, **credit with grade** or credit without grade)

2. REQUIREMENTS

Knowledge in the field of anatomy, physiology, pathophysiology

3. OBJECTIVES, OUTCOMES, AND PROGRAM CONTENT USED IN TEACHING METHODS

3.1. Objectives of this course/module

C1	Gaining theoretical and practical knowledge in the field of internal diseases and shaping the attitude of the future doctor in relation to the patient.
C2	Mastering the ability to perform differential diagnosis, acquiring skills diagnostic and therapeutic procedures in patients treated outpatients and in the conditions of the internal ward
C3	Learning the correct doctor-patient relationship based on the principles of ethics, personal culture and legal regulations as well as the practical application of acquired skills during nursing and medical holidays.
C4	Acquisition of practical skills in the field of medical history (making contact with the patient), physical examination, selection and interpretation of additional tests, symptomatology of internal diseases.
C5	Knowledge of the principles of diagnosing and conducting differential diagnosis of basic disease entities in the field of internal diseases, selection of appropriate laboratory tests and methods for imaging of internal organs and assessing their activities.

3.2 OUTCOMES FOR THE COURSE / MODULE (TO BE COMPLETED BY THE COORDINATOR)

EK (the effect of education)	The content of the learning effect defined for the subject (module)	Reference to directional effects (KEK)
EK_01	<p>Knows and understands the causes, symptoms, principles of diagnosis and therapeutic treatment in relation to the most common internal diseases occurring in adults and their complications:</p> <p>a) diseases of the circulatory system, including: ischemic disease heart, heart disease, endocardial diseases, myocardium, pericardium, heart failure (acute and chronic), arterial and venous vessels, arterial hypertension: primary and secondary, pulmonary hypertension,</p> <p>b) respiratory diseases, including: road diseases respiratory, chronic obstructive pulmonary disease, asthma bronchial distress, bronchiectasis, cystic fibrosis, infections respiratory system, interstitial lung diseases, pleura, mediastinum, obstructive and central sleep apnea, respiratory failure (acute and chronic), cancer respiratory system,</p>	E.W7.
EK_02	performs a medical interview with an adult patient	E.U1.
EK_03	performs a full and targeted physical examination of an adult patient	E.U3.
EK_04	evaluates the general condition, state of consciousness and awareness of the patient	E.U7.
EK_05	interprets laboratory tests and identifies the causes of deviations	E.24.

EK_06	He is able to establish and maintain a deep and respectful contact with the patient	K.01.
EK_07	Respects medical confidentiality and patient's rights	K.03.

3.3 CONTENT CURRICULUM (filled by the coordinator)

A. Lectures

Course contents
Physical examination of the head and neck
Physical examination of the circulatory system
Physical examination of the respiratory system
A physical examination of the abdominal cavity
Heart failure
Bacterial endocarditis
Myocarditis
Primary cardiomyopathies
Diagnostic methods of contemporary cardiology
The latest achievements of contemporary cardiology - a review current clinical trials
Lung transplantation. Cystic fibrosis.

B. Exercises

Course contents
General principles of subject and subject examination
Basic disease symptoms
Subject and subjective examination of the system
Subject and subjective examination of the circulatory system
Collecting intelligence and general principles of physical examination
General and detailed examination of the abdominal cavity.
Physical examination of the head and neck including the examination
Examination of the skeletal system and basics of the study
The ability to evaluate basic research
The rules of keeping medical records.

Diagnostic methods of contemporary cardiology.
Heart failure - systolic and diastolic - pathogenesis
Heart failure - systolic and diastolic - pathogenesis.
Bacterial endocarditis.
Dilated cardiomyopathy.
Myocarditis.
Hypertrophic and restrictive cardiomyopathy
The latest achievements of contemporary cardiology.
Interviewing patients
Conducting a physical examination of patients.
Interpretation of additional tests./spirometry, gasometry, exercise tests, radiological examinations
Making and interpreting a tuberculin test, bacteriological diagnosis of tuberculosis - a review of diagnostic methods
Determining the indications and qualification of patients for additional tests / radiological and functional examinations,
Differential diagnosis of respiratory diseases.
Assisting with bronchoscopy.
Assisting with pleural puncture.
ECG test - analysis of arrhythmias and conduction disorders. Analysis of Holter ECG records.
UKG examination

C. Seminars

Course contents
General principles of subject and subject examination
Subject and subjective examination of the respiratory system
Subject and subjective examination of the circulatory system
Subject and object examination of the abdominal cavity. Basic symptomatology and additional tests of the digestive and urogenital tract
Subject and physical examination of the head and neck including symptomatology and additional tests.
Physical and objective examination of the skeletal and nervous systems, including symptomatology and additional tests.

Differences in subject and subject examination in older patients.
Diagnostic methods of contemporary cardiology.
Heart failure - systolic and diastolic - pathogenesis
Heart failure - systolic and diastolic -patogenesis
Bacterial endocarditis.
Dilated cardiomyopathy.
Myocarditis.
Hypertrophic and restrictive cardiomyopathy

3.4 TEACHING METHODS

Lecture: multimedia presentation.

Exercises: practical exercises, demonstration, lecture form.

Seminars: multimedia presentation, lecture form.

Student's own work: work with a book

4 METHODS AND EVALUATION CRITERIA

4.1 Methods of verification of learning outcomes

Symbol of effect	Methods of assessment of learning outcomes (Eg.: tests, oral exams, written exams, project reports, observations during classes)	Form of classes
EK_01	Written test	Lecture
EK_02	Practical pass	Exercises
EK_03	Practical pass	Exercises
EK_04	Practical pass	Exercises
EK_05	Practical pass	Exercises
EK_06	Practical pass	Exercises
EK_07	Practical pass	Exercises

4.2 Conditions for completing the course (evaluation criteria)

Lecture (EK_01):

Written test

Oral exam (non-standardized, standardized, traditional, problem-oriented) or

Written exam - student generates / recognizes response (essay, report, short structured questions / SSQ /; multiple-choice test / MCQ /; multiple-response test / MRQ /; match test; T / N test; answer replenishment test)

5.0 - has knowledge of each of the contents of education at the level of 90% -100%

4.5 - has knowledge of each of the content of education at the level of 84% -89%

4.0 - has knowledge of each of the content of education at the level of 77% -83%

3.5 - has knowledge of each of the content of education at the level of 70% -76%

3.0 - has knowledge of each of the content of education at the level of 60% -69%

2.0 - has knowledge of each of the contents of education below 60%

Exercises and Seminars (EK_02, EK_03, EK_04, EK_05):

Practical exam

Objective Strukturyzowany Egzamin Kliniczny / OSCE / - an organized exam in the form of a station with a specific task to perform / stations with or without sick, with or without clinical material, with a simulator, with a phantom, single or paired, with the presence of additional personnel, Leisure /

Mini-CEX (mini - clinical examination)

Implementation of the task ordered. Design, presentation

Skill assessment

5.0 - the student actively participates in classes, is well prepared, has acquired theoretical and practical knowledge in the field of internal diseases at a very good level, He mastered the skills of diagnostic and therapeutic procedures in patients treated outpatient and in the internal ward.

4.5 - the student actively participates in the classes, has acquired theoretical and practical knowledge in the field of internal diseases at a good level, has mastered the skills of diagnostic and therapeutic procedures in patients treated outpatients and in the internal ward.

4.0 - the student actively participates in classes, is improved, has acquired theoretical and practical knowledge in the field of internal diseases at a good level, is able to plan well the diagnostic and therapeutic activities in outpatients and in the conditions of the internal ward.

3.5 - the student participates in classes, his scope of preparation does not allow for a comprehensive presentation of the discussed problem, he acquired theoretical and practical knowledge in the field of internal medical conditions to a sufficient extent, is not always able to properly plan diagnostic and therapeutic activities in outpatients and internal branch conditions.

3.0 - the student participates in the classes, has acquired theoretical and practical knowledge in the field of internal diseases to a sufficient extent, is often corrected.

2.0 - the student passively participates in the classes, the statements are incorrect in substance, the theoretical and practical knowledge in the field of internal diseases is insufficient, can not plan diagnostic and therapeutic activities in patients treated outpatients and in internal conditions, often makes mistakes

5. Total student workload required to achieve the desired result in hours and ECTS credits

Activity	Hours / student work
Hours of classes according to plan with the teacher	90
Preparation for classes	10
Participation in the consultations	2
The time to write a paper / essay	-
Preparation for tests	10
Participation in colloquia	2
Other (e-learning)	-
SUM OF HOURS	114
TOTAL NUMBER OF ECTS	4

6. TRAINING PRACTICES IN THE SUBJECT / MODUL

Number of hours	-
Rules and forms of apprenticeship	-

6. LITERATURE

<p>READING:</p> <ol style="list-style-type: none"> 1. Kokot F. (red), „Choroby wewnętrzne” Wydawnictwo Lekarskie PZWL, W-wa 2006 2. Tatoń J., Czech A., „Ogólna diagnostyka internistyczna”, Wydawnictwo Lekarskie PZWL 1991. 3. Kokot F.: Diagnostyka różnicowa objawów chorobowych.PZWL2007 4. Szczeklik A. red.: Choroby wewnętrzne aktualny stan wiedzy 2010, wyd.
<p>Additional literature:</p> <ol style="list-style-type: none"> 5. Szczeklik A., Gajewski P.: „Choroby wewnętrzne 2009 – kompendium.”, Medycyna Praktyczna, Kraków, 2009 6. Dacre J., Kopelman P., Badanie kliniczne, PZWL 2004 7. Tatoń J., Czech A., Diagnostyka internistyczna, PZWL, 2005. 8. Toy E., Patlan J., Faustinella F. Ciekawe przypadki internistyczne, PZWL, 2009. 9. Herold G., Medycyna wewnętrzna- repetytorium dla studentów medycyny i lekarzy, PZWL, 2008 10. Doboszyńska A., Objawy chorób wewnętrznych, podręcznik dla studentów, PZWL 2013.

Acceptance Unit Manager or authorized person