Appendix number 1.5 to The Rector UR Resolution No. 12/2019

SYLLABUS

**concerning the cycle of education 2024-2030**

(date range)

* 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 | prof. 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**

* 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 | 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:  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,  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, | 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 ofinternal 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 | - |

1. LITERATURE

|  |
| --- |
| **READING:**  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. |
| Additional literature:  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