



UNIVERSITY OF WARMIA AND MAZURY IN OLSZTYN
Faculty of Medicine

Course syllabus – part A

Course code: 48SJ-INM88

Cycle: 2025L

ECTS: 10.00

INTERNAL MEDICINE 8/8

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SUBJECT MATTER CONTENT:

Classes - Pulmonology (30h): Tuberculosis: epidemiology, diagnosis, treatment, extrapulmonary tuberculosis. Patient with chronic respiratory failure. Patient with pneumonia. Patient with COPD and asthma. Diagnosis of cough. Indications for lung transplantation. Rare lung diseases. **Cardiology (54h):** Valvular heart diseases. Atrial fibrillation and supraventricular tachycardia. Syncope - diagnosis and treatment, conduction disorders. Chronic heart failure. Sudden cardiac arrest and indications for ICD. Electrical cardioversion and indications for permanent heart pacing. Myocarditis Infective endocarditis and acute and chronic pericarditis. Differentiation of arrhythmias - the basics **Rheumatology (30h):** Principles of history taking and clinical evaluation of patient with rheumatoid disease. Interpretation of lab tests and imaging techniques in rheumatology. Seronegative spondyloarthropathies; arthroses; gout, osteoporosis. Physical therapy in rheumatology. Autoimmune diseases of connective tissue: SLE, scleroderma, dermatomyositis, polymyalgia rheumatica. **Hematology (18h):** Diagnosis and treatment of thrombocytopenia. Lymphomas. Myelodysplastic syndromes. **Gastroenterology (18h):** Ulcerative colitis, Crohn's disease. Gastroscopy, colonoscopy, ERCP, EUS: preparation, course, indications, contraindications Radiological examinations in pathologies of the digestive system.

TEACHING OBJECTIVE:

Etiology, pathophysiology, epidemiology, diagnosis and treatment of respiratory diseases, allergies, diseases metabolic, heart and hematopoietic diseases.

DESCRIPTION OF THE LEARNING OUTCOMES OF THE COURSE IN RELATION TO THE DESCRIPTION OF THE CHARACTERISTICS OF THE SECOND LEVEL LEARNING OUTCOMES FOR QUALIFICATIONS AT LEVELS 6-8 OF THE POLISH QUALIFICATION FRAMEWORK IN RELATION TO THE SCIENTIFIC DISCIPLINES AND THE EFFECTS FOR FIELDS OF STUDY:

Symbols for outcomes related to the discipline:

Symbols for outcomes related to the field of study:

K.1.+ , K.2.+ , K.3.+ , K.4.+ , K.5.+ , KA7_KR1+

Symbols for outcomes related to the field of study:

W1 - The student knows and understands the environmental and epidemiological conditions of the most common diseases

Legal acts specifying learning outcomes:
672/2020;

ISCED Code: -

Status: -

Group of courses: -

Discipline: Medicine

Language: ANG

Classes: Classes (150h);

Program: Medicine

Phase: Kierunek lekarski szósty rok semestr dwunasty (oferta w jęz. angielskim dla obcokrajowców)

Profile: -

Form: full-time

Level of studies: uniform master's studies

Introductory subject: anatomy, histology, biophysics, biochemistry, physiology, pathophysiology, Internal Medicine - all previous semesters

Prerequisites: Knowledge of anatomy, histology, biophysics, biochemistry, physiology, pathophysiology, Internal Medicine - all previous semesters

Organized by the unit:

Coordinators:

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W2 - The student knows and understands The student knows and understands the causes, symptoms, principles of diagnosis and therapeutic procedures in relation to the most common internal diseases occurring in adults and their complications: 1) cardiovascular diseases, including ischemic heart disease, heart defects, endocardial diseases, heart muscle, pericardium, heart failure (acute and chronic), arterial and venous diseases, arterial hypertension - primary and secondary, pulmonary hypertension, 2) respiratory system diseases, including respiratory diseases, chronic obstructive pulmonary disease, bronchial asthma, bronchiectasis, cystic fibrosis, infections respiratory system, diseases of the interstitial lungs, pleura, mediastinum, obstructive and central sleep apnea, respiratory failure (acute and chronic), respiratory system cancers, 3) diseases of the digestive system, including diseases of the oral cavity, esophagus, stomach and duodenum, intestines, pancreas, liver, bile ducts and gallbladder, 4) system diseases endocrine, including diseases of the hypothalamus and pituitary, thyroid, parathyroid, adrenal cortex and medulla, ovaries and testes as well as neuroendocrine tumors, polyglandular syndromes, various types of diabetes and metabolic syndrome - hypoglycaemia, obesity, dyslipidemia, 5) diseases of the kidneys and urinary tract, including acute and chronic renal failure, diseases of the glomeruli and interstitial kidneys, kidney cysts, nephrolithiasis, urinary tract infections, cancers of the urinary tract, in particular of the bladder and kidneys, 6) diseases of the hematopoietic system, including bone marrow aplasia, anemia, granulocytopenia and agranulocytosis, thrombocytopenia, acute leukaemias, myeloproliferative and myelodysplastic-myeloproliferative neoplasms, myelodysplastic syndromes, mature B and T lymphocyte neoplasms, bleeding disorders, thrombophilia, life-threatening conditions in hematology, blood disorders in diseases of other organs, 7) rheumatic diseases, including systemic connective tissue diseases, systemic vasculitis, arthritis with involvement of the spine, metabolic bone diseases, in particular osteoporosis and osteoarthritis, gout, 8) allergic diseases, including anaphylaxis and anaphylactic shock, and angioedema, 9) water-electrolyte and acid-base disorders: dehydration, overhydration, electrolyte disorders, acidosis and alkalosis;

W3 - The student knows and understands the theoretical and practical basics of laboratory diagnostics

W4 - The student knows and understands the possibilities and limitations of laboratory tests in emergencies

W5 - The student knows and understands the indications for the implementation of monitored therapy

U1 - The student is able to conduct a medical interview with an adult patient

U2 - The student is able to conduct a complete and targeted physical examination of an adult patient

U3 - The student is able to assess and describe the somatic and mental state of the patient

U4 - U4 - The student is able to recognize the states of direct threat to life

U5 - The student is able to plan diagnostic, therapeutic and prophylactic procedures

U6 - The student is able to analyze possible side effects of individual drugs and interactions between them

U7 - The student is able to interpret the results of laboratory tests and identify the causes of deviations from the norm

U8 - The student is able to apply nutritional treatment, including enteral and parenteral nutrition;

U9 - The student is able to perform basic medical procedures and treatments, including: 1) body temperature measurement (superficial and deep), pulse measurement, non-invasive blood pressure measurement, 2) monitoring of vital signs using a cardiomonitor, pulse oximetry, 3) spirometry, oxygen treatment, ventilation assisted and replacement, 4) insertion of the oropharyngeal tube, 5) intravenous, intramuscular and subcutaneous injections, peripheral venous cannulation, peripheral venous blood sampling, blood culture collection, arterial blood sampling, arterialized capillary blood collection, 6) nasal swab collection, throat and skin, 7) bladder catheterization in women and men, gastric probing, gastric lavage, enema, 8) standard resting electrocardiogram with interpretation, electrical cardioversion and cardiac defibrillation, 9) simple strip tests and blood glucose measurement;

U10 - The student can assist in the following medical procedures and treatments: 1) transfusion of blood and blood products, 2) drainage of the pleural cavity, 3) puncture of the pericardial sac, 4) puncture of the peritoneal cavity, 5) lumbar puncture, 6) fine-needle biopsy, 7) epidermal tests, 8) intradermal and scarification tests and interpret their results;

U11 - The student can plan specialist consultations;

K1 - The student is ready to establish and maintain a deep and respectful contact with the patient, as well as to show understanding for ideological and cultural differences;

K2 - The student is ready to be guided by the good of the patient;

K3 - The student is ready to respect medical confidentiality and patient rights;

K4 - None

K5 - The student is ready to see and recognize his own limitations and self-assess educational deficits and needs

K6 - The student is ready to observe and apply the principles of academic and professional ethics and professional image, academic, social and professional professionalism;

Symbols for outcomes related to the field of study:

Classes - [] - exercises at the patient's bedside

FORM AND CONDITIONS OF VERIFYING LEARNING OUTCOMES:

Classes (Exam) - [] - Practical exam

Classes (Oral exam) - [] - Oral exam with professors from selected clinics. Students draw cards with 4 questions from various areas of internal medicine.

Classes (Competence test) - [] - A test consisting of 120 multiple-choice questions

Literature:



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Detailed description of ECTS credits awarded - part B

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1. Contact hours with the academic teacher:

- participation in: Classes
- consultation

150 h

4 h

Total: 154 h

Independent work of a student:

Total: 0 h

1 ECTS credit = 25-30 h of an average student's work, number of ECTS

ECTS Points = 154 h : 25 h/ECTS = 10.00 ECTS

Average: 10.00 ECTS

- including the number of ECTS credits for contact hours with the direct participation of an academic teacher - 10.00 ECTS pts

- including the number of ECTS credits for hours of independent work of a student - 0.00 ECTS pts