



UNIVERSITY OF WARMIA AND MAZURY IN OLSZTYN
Faculty of Medicine

Course syllabus – part A

USOS Code: 48SJ-PED57

ECTS: 5.00

Cycle: 2026L

Pediatrics 5
Pediatrics 5

SUBJECT MATTER CONTENT:

Lecture – Cardiology 1. Congenital heart defects. 2. Heart failure. Infection diseases 1. HIV in children. 2. Tuberculosis in children. 3. Pertussis. 4. Emerging infectious diseases in children. 5. Hospital-acquired infections in children

Classes – "Upper respiratory tract disorders [PULMONOLOGY]" "Lower respiratory tract disorders [PULMONOLOGY]" Indications for endoscopy in children. Diagnostic procedure of GI tract in children [GASTROENTEROLOGY] Liver disorders in children. Biliary tract disorders [GASTROENTEROLOGY] Bacterial diarrhea. Viral diarrhea [INFECTIOUS] Exanthematous childhood disease [INFECTIOUS] Parasitic infections [INFECTIOUS] Syncope [CARDIOLOGY] Chest pain, hypertension [CARDIOLOGY] Arrhythmias [CARDIOLOGY]

Seminar – 1. Food allergy. Food intolerance [2H] 2. Coeliac disease. Gluten-related disorders. Feeding disorder [2H] 3. Pancreatic disorders in children. Cystic fibrosis [2H] 4. Viral and bacterial infections of upper respiratory tract in children [2H] 5. Acute lower respiratory tract disorders in children [3H] 6. Diagnostic methods of cardiovascular system in children [1H] 7. Myocarditis [1H] 8. Infective endocarditis, Kawasaki disease [1H] 9. Cardiomyopathy [1H]

TEACHING OBJECTIVE:

The student knows and understands the causes, symptoms, guidelines of diagnosis and therapeutic management of the most common diseases of the gastrointestinal tract, cardiovascular and respiratory system in children. Consolidation of skills to collect history, physical examination. Programming therapeutic, monitoring of the patient.

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:

LEARNING OUTCOMES:

Knowledge (W1) – Student knows and understands the environmental and epidemiological factors which determinate the most common diseases.

Legal acts specifying learning outcomes: 311/2023;

Discipline: Medicine

Course status: Obligatory

Group of courses: B - major course

ISCED Code: 0912

Field of studies: Medicine

Field: Medicine

Learning profile: -

Form of studies: full-time

Level of studies: uniform master's studies

Year/Semester: 5th year 10th semester, Medicine in English

Classes types: Classes; Seminar; Lecture;

Classes: Classes (50h); Seminar (15h); Lecture (10h);

Language: ANG

Introductory subject: Anatomy, Physiology, Pathology, Biochemistry, Histology with cytophysiology and embryology, Immunology, Microbiology, Pharmacology with toxicology, Laboratory diagnostics, Clinical genetics, Otolaryngology, Paediatrics 3rd and 4th year, Pathology, Ethics, Diagnostic imaging.

Prerequisites: Student should have knowledge of human anatomy, physiology and pathophysiology, should have ability to use the knowledge acquired during the previous course of Pediatrics.

Organized by the unit:

Coordinators responsible for the course:

Elżbieta Jarocka-Cyrta,
elzbieta.jarocka@uwm.edu.pl

Knowledge (W2) – Student knows and understands rules of nutrition applicable to healthy and ill children, including natural feeding, preventive vaccinations, and the rules of the child's health evaluation;

Additional notes:

Knowledge (W3) – Student knows and understands the causes, symptoms, rules of diagnosing, and the therapeutic procedures in the most frequent paediatric health problems: 1) rickets, tetany, convulsions, 2) heart defects, myocarditis, endocarditis and pericarditis, cardiomyopathy, heart arrhythmia, cardiac insufficiency, hypertension, fainting, 3) acute and chronic diseases of the upper and lower respiratory tract, congenital defects of the respiratory tract, tuberculosis, cystic fibrosis, asthma, allergic rhinitis, nettle-rash, anaphylactic shock, angioedema, 4) anaemia, haemorrhagic diatheses, bone marrow failures, childhood malignancies, including solid tumours typical for childhood, 5) acute and chronic abdominal pains, vomiting, diarrheas, constipations, gastro-intestinal bleedings, ulcer, non-specific bowel diseases, pancreatitis, cholestasis and liver diseases, and other acquired illnesses and congenital defects of the digestive tract, 6) urinary tract infections, congenital defects of the urinary tract, nephrotic syndrome, kidney stones, acute and chronic kidney insufficiency, acute and chronic kidney inflammations, systemic kidney diseases, urination disorders, vesico-ureteral reflux disease, 7) growth disorders, thyroid and parathyroid diseases, adrenal diseases, diabetes, obesity, puberty and gonad function disorders, 8) infant cerebral palsy, encephalomyelitis and meningitis, epilepsy, 9) the most frequent children's infectious diseases, 10) genetic syndromes, 11) connective tissue diseases, rheumatoid fever, juvenile arthritis, systemic lupus erythematosus, dermatomyositis;

Skills (U1) – Student is able to take medical interview with a child and its family;

Skills (U2) – Student is able to conduct differential diagnostics of the most frequent diseases among adults and children;

Skills (U3) – Student is able to assess and describe the patient's somatic and mental condition.

Skills (U4) – Student is able to plan diagnostic, therapeutic, and prophylactic procedures;

Skills (U5) – Student is able to qualify the patient for home treatment and hospitalisation;

Skills (U6) – Student is able to plan specialist consultations;

Social competences (K1) – Student is able to establish and maintain a deep and respectful contact with the patient and demonstrate understanding of differences in worldview and culture

Social competences (K2) – Student is guided by the well-being of the patient.

Social competences (K3) – Student obeys the medical confidentiality rule and respects patient rights.

Social competences (K4) – Student notices and recognises its own limitations and makes a self-assessment of deficits and educational needs.

Social competences (K5) – Student is able to take action towards the patient based on ethical principles, with awareness of the social determinants and limitations of the disease.

Symbols for outcomes related to the field of study:

Lecture – ['W1', 'U1', 'K1', 'W2', 'U2', 'K2', 'W3', 'U3', 'K3', 'U4', 'K4', 'U5', 'K5', 'U6'] – Multimedia presentation. Formal lecture.

Classes – ['W1', 'U1', 'K1', 'W2', 'U2', 'K2', 'W3', 'U3', 'K3', 'U4', 'K4', 'U5', 'K5', 'U6'] – Practical classes in small groups supervised by assistant: case studies, medical problem approach discussion, brain storm

Seminar – ['W1', 'U1', 'K1', 'W2', 'U2', 'K2', 'W3', 'U3', 'K3', 'U4', 'K4', 'U5', 'K5', 'U6'] – Multimedia presentation. The case report based discussion. Round table discussion.

FORM AND CONDITIONS OF VERIFYING LEARNING OUTCOMES:

Seminar (Part in the discussion) – ['W1', 'U1', 'K1', 'W2', 'U2', 'K2', 'W3', 'U3', 'K3', 'U4', 'K4', 'U5', 'K5', 'U6'] – Part in the discussion

Lecture (Part in the discussion) – ['W1', 'U1', 'K1', 'W2', 'U2', 'K2', 'W3', 'U3', 'K3', 'U4', 'K4', 'U5', 'K5', 'U6'] – Part in the discussion - Obligatory presence on lectures.

Classes (Written test) – ['W1', 'U1', 'K1', 'W2', 'U2', 'K2', 'W3', 'U3', 'K3', 'U4', 'K4', 'U5', 'K5', 'U6'] – Knowledge test from seminars, lectures and exercises. A prerequisite for taking the test is obtaining a total of 18 points from the entrance tests and activity classes in the summer semester. The test consists of 50 questions. Above 70% of points are required to pass the practical part. In the case of not passing the test, oral assessment. The final grade for the Pediatrics course in the 5th year is the result of the test according to the following scoring: ≤ 35 points - unsatisfactory 36-38 points - satisfactory 39-41 points - satisfactory plus 42-44 points - good 45-47 points - good plus 48-50 points - very good

REQUIRED LITERATURE:

1. Illustrated Textbook of Pediatrics

Lissauer T., Clayden G; Mosby; 2011; Pages: ; Tome: ;

2. Nelson Essentials of Pediatricsof - 9th edition

Marcdante K., Kliegman R.M.; Elsevier; 2022; Pages: ; Tome: ;

3. Nelson Essentials of Pediatrics

Marcdante K., Kliegman R.M.; Saunders; 2011; Pages: ; Tome: 6;

COMPLIMENTARY LITERATURE:



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Detailed description of ECTS credits awarded - part B

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Cycle: 2026L

Pediatrics 5

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1. Contact hours with the academic teacher:

- participation in: Classes	50 h
- participation in: Seminar	15 h
- participation in: Lecture	10 h
- consultation	2 h
Total:	77 h

Independent work of a student:

- She/he learns required chapters of the books from the basis literature list and from additional sources of knowledge.	23.00 h
Total:	23.00 h

contact hours + independent work of a student Total: 100.00 h

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

ECTS Points = 100.00 h : 25 h/ECTS = 5.00 ECTS

Average: 5.00 ECTS

- including the number of ECTS credits for contact hours with the direct participation of an academic teacher - 3.85 ECTS pts

- including the number of ECTS credits for hours of independent work of a student - 1.15 ECTS pts