



UNIVERSITY OF WARMIA AND MAZURY IN OLSZTYN
Faculty of Medicine

Course syllabus – part A

USOS Code: 48SJ-PED67

ECTS: 8.00

Cycle: 2026Z

Pediatrics 6 Pediatrics 6

SUBJECT MATTER CONTENT:

Practical classes – Practical exercises take place in hospital wards (WSSD in Olsztyn) or in the Medical Simulation Center. Under the care of the assistant, the student participates in the collecting interview from the patient, physical examination, performs differential diagnosis, interprets the results of laboratory and imaging tests, plans consultations, treatment and further care in patients from the ward or clinic, and takes part in the discussion of selected cases. Neurological examination in children. Cerebral palsy. Epilepsy. Non-epileptic seizures. Febrile seizures. Headaches. Neurodegenerative disorders in children. Anaphylaxis in children, emergencies in allergology – CSM Congenital anomalies of the head and central nervous system. Dysmorphology, diagnostics and treatment. Functional disorders in children. Rome criteria IV Atopic disorders: atopic dermatitis, asthma in children, allergic rhinitis Congenital anomalies of the head and central nervous system. Dysmorphology diagnostics and treatment.

TEACHING OBJECTIVE:

Introduction the student with anatomical and physiological differences of the cardiovascular, respiratory and digestive systems in different periods of child's development. Introduction the student with infectious diseases of childhood. Preparing the student to perform differential diagnosis, treatment, supervision and prevention of diseases of the circulatory, respiratory, nervous, gastrointestinal and infectious diseases. Consolidation of skills to collect a case report, and conducting physical examination. Establishing therapeutic treatment and patient care.

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) – Knows and understands environmental and epidemiological conditions of the most frequent diseases

Legal acts specifying learning outcomes:
311/2023;

Discipline: Medical Sciences

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: 6th year 11th semester,
Medicine in English

Classes types: Seminar; Practical classes;

Classes: Seminar (30h); Practical classes (90h);

Language: ANG

Introductory subject: Anatomy, Physiology, Pathology, Biochemistry, Histology with cytophysiology and embryology, Immunology, Microbiology, Pharmacology with Toxicology, Paediatrics Year III, IV and V, Ethics, Pathology, Laboratory diagnostics.

Prerequisites: Mastering the knowledge of introductory subjects and the ability to use it in the context of collecting interviews, examining a child, assessing his development as the basis for conducting differential diagnostics in the field of urinary tract diseases, endocrine diseases, including diabetes and hematology.

Organized by the unit:

Coordinators responsible for the course:

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

Knowledge (W2) – Knows and understands the most frequent life-threatening conditions in children and the rules of procedure in such conditions;

Knowledge (W3) – Knows and understands the causes, symptoms, rules of diagnostics, therapeutic and prevention procedures in most popular bacterial, viral, parasitic diseases and mycoses, including pneumococcal infections, hepatitis, acquired immune deficiency syndrome (AIDS), sepsis, and nosocomial infections;

Knowledge (W4) – 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;

Knowledge (W5) – 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 take medical interview with a child and its family;

Skills (U2) – Student is able to apply nutritional treatment, including enteral and parenteral feeding.

Skills (U3) – Student is able to plan specialist consultations.

Skills (U4) – Student is be able to assess the stage of puberty.

Skills (U5) – Student is be able to recognise behaviours and signals indicating possible violent abuse of a child while examining it.

Skills (U6) – Student is able to perform a physical examination of a child of any age.

Additional notes:

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Skills (U7) – Student is be able to assess the general condition, state of consciousness and awareness of the patient.

Skills (U8) – Student is be able to assess the condition of the newborn on the Apgar scale and its maturity and examine neonatal reflexes.

Skills (U9) – Student is able to perform differential diagnosis of the most common diseases of adults and children.

Skills (U10) – Student is able to recognize life-threatening conditions.

Skills (U11) – Student is able to show responsibility for improving their qualifications and passing their knowledge on to others.

Skills (U12) – Student is able to propose individualization of existing therapeutic guidelines and other methods of treatment in the case of ineffectiveness or contraindications to standard therapy.

Skills (U13) – The student is able to interpret the results of laboratory tests and identify the causes of deviations from the norm.

Social competences (K1) – Student is ready to establish and maintain a deep and respectful contact with the patient and to show understanding for the differences in world-view and culture.

Social competences (K2) – Student is willing to be guided by the welfare of the patient.

Social competences (K3) – Student is prepared to respect medical confidentiality and patient rights.

Social competences (K4) – Student is prepared to perceive and recognise his/her own limitations and to make a self-assessment of deficits and educational needs.

Symbols for outcomes related to the field of study:

Practical classes – ['W1', 'U1', 'K1', 'W2', 'U2', 'K2', 'W3', 'U3', 'K3', 'W4', 'U4', 'K4', 'W5', 'U5', 'U6', 'U7', 'U8', 'U9', 'U10', 'U11', 'U12', 'U13'] –

FORM AND CONDITIONS OF VERIFYING LEARNING OUTCOMES:

Practical classes (Part in the discussion) – ['W1', 'U1', 'K1', 'W2', 'U2', 'K2', 'W3', 'U3', 'K3', 'W4', 'U4', 'K4', 'W5', 'U5', 'U6', 'U7', 'U8', 'U9', 'U10', 'U11', 'U12', 'U13'] –

Practical classes (Written exam) – ['W1', 'U1', 'K1', 'W2', 'U2', 'K2', 'W3', 'U3', 'K3', 'W4', 'U4', 'K4', 'W5', 'U5', 'U6', 'U7', 'U8', 'U9', 'U10', 'U11', 'U12', 'U13'] –

Practical classes (Written test) – ['W1', 'U1', 'K1', 'W2', 'U2', 'K2', 'W3', 'U3', 'K3', 'W4', 'U4', 'K4', 'W5', 'U5', 'U6', 'U7', 'U8', 'U9', 'U10', 'U11', 'U12', 'U13'] –

REQUIRED LITERATURE:**1. Illustrated Textbook of Paediatrics,**

Lissauer T.,Carrol W.,; Elsevier; 2021; Pages: ; Tome: ;

2. Nelson Essentials of Pediatrics 9th edition

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

COMPLIMENTARY LITERATURE:



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Detailed description of ECTS credits awarded - part B

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Pediatrics 6

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1. Contact hours with the academic teacher:

- participation in: Seminar	30 h
- participation in: Practical classes	90 h
- consultation	5 h
Total:	125 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.	75.00 h
Total:	75.00 h

contact hours + independent work of a student **Total: 200.00 h**

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

ECTS Points = 200.00 h : 25 h/ECTS = 8.00 ECTS

Average: 8.00 ECTS

- including the number of ECTS credits for contact hours with the direct participation of an academic teacher - 5.00 ECTS pts

- including the number of ECTS credits for hours of independent work of a student - 3.00 ECTS pts