



UNIVERSITY OF WARMIA AND MAZURY IN OLSZTYN
Faculty of Medicine

Course syllabus – part A

USOS Code: 48SJO-PED124

ECTS: 7.00

Cycle: 2026

Pediatrics 2/4 Pediatrics 2/4

SUBJECT MATTER CONTENT:

Lecture – 1. Urinary tract infections 2. Guidelines for diagnosis of urinary tract infections in children. 3. Guidelines for treatment of urinary tract infections in children. 4. Vesicoureteral reflux- diagnosis and treatment. 5. CAKUT- congenital anomalies of the kidney and urinary tract. 6. Management of isolated proteinuria. Functional proteinuria. 7. Nephrotic syndrome in children. 8. Guidelines for treatment of nephrotic syndrome in children. 9. Management of hematuria. 10. Poisoning in children.

Classes – 1. Anaemia due to reduced red cell production. Iron deficiency, foliate deficiency anaemia. Pernicious anaemia. Anaemia of the chronic diseases. Haemolytic anaemia (congenital, acquired) [5H] 2. Aplastic anaemia (congenital, acquired) [5H] 3. Haemostasis disorders in children [5H] 4. Leukaemia. Lymphomas [5H] 5. Diabetes mellitus in children. 6. Treatment of diabetes mellitus: ketoacidosis. Diabetes mellitus type 2. Laboratory test in pediatric nephrology [NEFROLOGY] Voiding disorders, enuresis nocturna [NEFROLOGY] Hematuria, glomerulonephritis, medical case record [NEFROLOGY] Hemolytic uremic syndrome (HUS). IgA Vasculitis (Henoch Schönlein purpura) [NEFROLOGY] History taking and physical examination of the children with suspicion of the endocrine disorders. Medical case record. [ENDOKRYNOLOGY] Disorders of growth and stature. Short and tall stature – causes, symptoms, diagnostic pathways and treatment. [ENDOKRYNOLOGY] Disorders of the thyroid gland. Hypothyroidism, hyperthyroidism. Thyroid nodules. [ENDOKRYNOLOGY] Obesity Metabolic syndrome. credit

Seminar – 1. Anaemia in children: iron deficiency anaemia, haemolytic anaemia aplastic anaemia [3H] 2. Disorders of primary hemostasis and fibrinolysis (vascular defects, von Willebrand disease, thrombocytopenia, platelets dysfunction) [2H] 3. Disorders of secondary hemostasis in children. Normal ranges of hemostasis in children [1H] 4. Leukaemias in children [2H] 5. Tumors of lymphatic system in children [2H] 1. Endocrine system in children. [1H] 2. Short stature. [1H] 3. Overweight and obesity. [1H] 4. Disorders of the thyroid gland and the pituitary gland. [1H] 5. Disorders of the adrenal gland.-1 H 6. Rare diseases 5H

TEACHING OBJECTIVE:

It is getting the knowledge of individuality anatomic and physiologic urinary and endocrine systems. Acquire the knowledge of hematological standards in children. Collecting intelligence, knowledge of differential diagnosis, treatment,

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: 4th year, Medicine in English

Classes types: Lecture; Seminar; Classes;

Classes: Lecture (10h); Seminar (20h); Classes (70h);

Language: ANG

Introductory subject: Anatomy, Physiology, Pathology, Biochemistry, Histology with cytophysiology and embryology, Immunology, Microbiology, Pharmacology and Toxicology, Pediatrics III.

Prerequisites: Mastering knowledge of the subjects, orientation and ability to use in the context of history taking, physical examination of the child, assess its development as a basis for the differential diagnosis of disorders of the urinary system, endocrine disorders, including diabetes and hematology.

Organized by the unit:

Coordinators responsible for the course:

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

supervision and prevention of diseases of the urinary tract, diabetes, haematological disorders, selected cancers, immune disorders in children. Consolidation of skills to take medical history, physical examination. Programming of therapeutic plan, monitoring 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:

M/NMA_P7S_WG+++++

Symbols for outcomes related to the field of study:

K.1.+, K.2.+, K.3.+, K.4.+, K.5.+, E.U4.+, E.U16.+, E.U17.+, E.U24.+, E.U32.+, E.U2.+, E.W3.+, E.W1.+

LEARNING OUTCOMES:

Knowledge (W1) – Student knows and understands environmental and epidemiological conditions of the most frequent diseases;

Knowledge (W2) – Student knows environmental and epidemiological conditions of the most frequent diseases

Skills (U1) – (E.U4) The graduate can perform a physical examination of the child at any age.

Skills (U2) – (E.U16) The graduate can plan diagnostic, therapeutic and prophylactic procedures.

Skills (U3) – (E.U17)The graduate can analyze the possible side effects and interactions of proscribed drugs

Skills (U4) – (E.U24) The graduate is able to interpret laboratory tests and identifies the causes of deviations.

Skills (U5) – (E.U32) The graduate can plan specialist consultations.

Skills (U6) – (E.U2) The graduate can perform a medical history of the child and his family.

Social competences (K1) – Student is ready to establish and maintain deep and respectful contact with the patient and show understanding for ideological and cultural differences

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

Social competences (K3) – Student is ready to respects physician-patient privilege and patient's rights.

Social competences (K4) – The student is ready to take action towards a patient on the basis of ethical principles, with awareness of social determinants and limitations resulting from the disease.

Additional notes:

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Social competences (K5) – The 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:

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

Classes – ['W1', 'U1', 'K1', 'K2', 'U2', 'K3', 'U3', 'K4', 'U4', 'U5', 'K5', 'U6', 'W2'] – Work in small groups. History taking, physical examination, analysis of cases.

Seminar – ['W1', 'U1', 'K1', 'K2', 'U2', 'K3', 'U3', 'K4', 'U4', 'U5', 'K5', 'U6', 'W2'] – Multimedia presentation. Discussion.

FORM AND CONDITIONS OF VERIFYING LEARNING OUTCOMES:

Seminar (Part in the discussion) – ['W1', 'U1', 'K1', 'K2', 'U2', 'K3', 'U3', 'K4', 'U4', 'U5', 'K5', 'U6', 'W2'] – Part in the discussion
- Presence at all classes. The student receives the same grade as in the classes.

Lecture (Part in the discussion) – ['W1', 'U1', 'K1', 'K2', 'U2', 'K3', 'U3', 'K4', 'U4', 'U5', 'K5', 'U6', 'W2'] – Presence at all lectures.

Classes (Written test) – ['W1', 'U1', 'K1', 'K2', 'U2', 'K3', 'U3', 'K4', 'U4', 'U5', 'K5', 'U6', 'W2'] – Exercises (Written test) - Participation in discussion - Oral answer, activity 0-1 pts.
Medical history - Preparation by the student of a medical history of one patient in the winter term: 0-2 pts. Written test - In the course of each day there will be a test on preparation for exercises (the material covers the topics of exercises, seminars based on obligatory textbooks and lectures). The test consists of three written questions or three test questions (a pass = a correct answer to 2 questions). The grade of the written test is the average grade.

REQUIRED LITERATURE:

1. Nelson Essentials of Pediatrics

Marcdante K. Kliegman R.M. wyd.Saunders Nelson essentials of Pediatrics 2011; wyd.Saunders; 2015; Pages: ; Tome: ;

2. Pediatria

Kawalec W., Grenda R., Ziółkowska H; PZWL; 2013; Pages: ; Tome: I;

3. Pediatria

Kawalec W., Grenda R., Ziółkowska H; PZWL; 2013; Pages: ; Tome: II;

4. Pediatria - podręcznik do lekarskiego egzaminu państwowego

Dobrzańska A., Ryżko J.; U&P Wrocław; 2014; Pages: ; Tome: ;

5. BC zabiegów w pediatrii

Pietrzyk J., Szajewska H., Mrukowicz J.; edycyna Praktyczna.; 2012; Pages: ; Tome: ;

6. Badania podmiotowe i przedmiotowe w pediatrii

Obuchowicz A.,; PZWL; 2007; Pages: ; Tome: ;

7. Pediatria

Kubicka K., Kawalec W.; PZWL; 2003; Pages: ; Tome: I;

8. Pediatria

Kubicka K., Kawalec W.; PZWL; 2003; Pages: ; Tome: II;

9. Illustrated Textbook of Paediatrics

Lissauer T., Carrol W.,; Elsevier; 2022; Pages: ; Tome: ;

10. Nelson Essentials of Pediatrics

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

11. 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

USOS Code: 48SJO-PEDI24

ECTS: 7.00

Cycle: 2026

Pediatrics 2/4

Pediatrics 2/4

1. Contact hours with the academic teacher:

- participation in: Lecture	10 h
- participation in: Seminar	20 h
- participation in: Classes	70 h
- consultation	2 h
Total: 102 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: 125.00 h

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

ECTS Points = 125.00 h : 25 h/ECTS = 7.00 ECTS

Average: 7.00 ECTS

- including the number of ECTS credits for contact hours with the direct participation of an academic teacher - 5.71 ECTS pts

- including the number of ECTS credits for hours of independent work of a student - 1.29 ECTS pts