



UNIVERSITY OF WARMIA AND MAZURY IN OLSZTYN
Faculty of Medicine

Course syllabus – part A

Course code: 48SJ-PED67

Cycle: 2025Z

ECTS: 8.00

Pediatrics 6

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SUBJECT MATTER CONTENT:

Practical classes - ĆWICZENIA: 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. Exercises part II selected diseases and sudden states. Chemical burns of the GI tract. Gastrointestinal foreign bodies. Bleeding of the upper and lower part of the gastrointestinal tract. Enteral and parenteral nutrition in children. Short bowel syndrome. Inflammatory bowel disease in children. Ulcerative colitis, Crohn's disease

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:

M/NM+++++, M/NMA_P7S_KO+++
M/NMA_P7S_KR++++, M/NMA_P7S_UW+++++, M/
NMA_P7S_WG+++++

Symbols for outcomes related to the field of study:

K.1.+, K.2.+, K.3.+, K.5.+, E.U2.+, E.U25.+, E.U32.+, E.U10.+, G.U7.+,
E.U4.+, E.U7.+, E.U8.+, E.U12.+, E.U14.+, D.U16.+, E.U18.+,
E.U24.+, M/NM_E.W1.+, M/NM_E.W6.+, M/NM_E.W34.+, M/
NM_E.W2.+, M/NM_E.W3.+

Symbols for outcomes related to the field of study:

W1 - Knows and understands environmental and epidemiological conditions of the most frequent diseases

Legal acts specifying learning outcomes:
672/2020;

ISCED Code: -

Status: -

Group of courses: -

Discipline: Medical Sciences

Language: ANG

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

Program: Medicine

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

Profile: -

Form: full-time

Level of studies: uniform master's studies

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:

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

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

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;

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;

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;

U1 - Student is able take medical interview with a child and its family;

U2 - Student is able to apply nutritional treatment, including enteral and parenteral feeding.

U3 - Student is able to plan specialist consultations.

U4 - Student is be able to assess the stage of puberty.

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

U6 - Student is able to perform a physical examination of a child of any age.

U7 - Student is be able to assess the general condition, state of consciousness and awareness of the patient.

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

U9 - Student is able to perform differential diagnosis of the most common diseases of adults and children.

U10 - Student is able to recognize life-threatening conditions.

U11 - Student is able to show responsibility for improving their qualifications and passing their knowledge on to others.

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.

U13 - The student is able to interpret the results of laboratory tests and identify the causes of deviations from the norm.

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.

K2 - Student is willing to be guided by the welfare of the patient.

K3 - Student is prepared to respect medical confidentiality and patient rights.

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'] - Exercise activities in groups under the supervision of the assistant: problem-based, situational, brainstorming, case study. Multimedia presentation. Discussion of the problem on the example of a clinical case. Round table discussion.

FORM AND CONDITIONS OF VERIFYING LEARNING OUTCOMES:

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'] - Written test - 5 test questions or 5 open questions from the topics in force on a given day and from the field of paediatrics, years III-V. Pass mark - minimum 3 points.

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'] - One unexcused absence is permitted.

Practical classes (Exam) - ['W1', 'U1', 'K1', 'W2', 'U2', 'K2', 'W3', 'U3', 'K3', 'W4', 'U4', 'K4', 'W5', 'U5', 'U6', 'U7', 'U8', 'U9', 'U10', 'U11', 'U12', 'U13'] - "Zero" term exam is held with the use of National Board of Medical Examiners (NBME) Subject Exam. It consists of 110 questions from Pediatrics and it is fully organized by NBME. Students who receive from this test minimum 60 % are exempted from the final examination – test and oral exam. Students who receive from the NBME test: 50 - 59 % may not write the final test.

Practical classes (Oral exam) - ['W1', 'U1', 'K1', 'W2', 'U2', 'K2', 'W3', 'U3', 'K3', 'W4', 'U4', 'K4', 'W5', 'U5', 'U6', 'U7', 'U8', 'U9', 'U10', 'U11', 'U12', 'U13'] - In order to take the oral examination it is necessary to pass: 1. a practical test (patient history, physical examination, differential diagnosis and proposed further treatment) 2. 100-question single-choice test, in which a minimum of 71 points or 50-59% of the "zero" exam must be obtained. The

oral examination, in addition to answers to three questions drawn, consists of a discussion covering all material from the field of paediatrics and theoretical subjects. The grade obtained from this part of the examination is the final grade. The final grade is not an average of the three exam stages.

Literature:

1. Nelson Essentials of Pediatrics, 9th edition, Marc Dante K. Kliegman R.M.; Elsevier; 2022; Pages: ; Tome: ; Required literature



Detailed description of ECTS credits awarded - part B

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ECTS: 8.00

Pediatrics 6

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1. Contact hours with the academic teacher:

- participation in: Practical classes	90 h
- participation in: Seminar	30 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

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