



## Course syllabus - part A Pediatrics 4

**48SJ-PED47**  
**ECTS: 3.00**  
**CYCLE: 2023L**

### SUBJECT MATTER CONTENT

#### SEMINAR

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

#### CLASSES

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 : medical case record. [ENDOKRYNOLOGY]

#### TEACHING OBJECTIVE

To acquaint the student with anatomical and physiological distinctions of the urinary system and the endocrine system in children. Preparing the student for differential diagnosis, treatment, supervision and prevention of urinary tract diseases, endocrine system disorders. Strengthening the skill of collecting interviews, physical examination. Programming therapeutic treatment and patient supervision.

#### 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\_KO+++ , M/NMA\_P7S\_WG+++ ,  
M/NMA\_P7S\_UW+++ , M/NMA\_P7S\_KR+++ ,  
M/NM+++

##### Symbols for outcomes related to the field of study:

K.3.+ , E.W37.+ , E.U29.+ , K.2.+ , E.U24.+ ,  
E.U20.+ , K.1.+ , E.W1.+ , E.U2.+ , K.4.+ , E.W3.+  
+ , E.U4.+ , K.5.+ , E.U32.+

#### LEARNING OUTCOMES:

##### Knowledge:

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

W2 - Knows and understands the causes, symptoms, principles of diagnosis and therapeutic treatment in the case of the most common

##### Legal acts specifying learning outcomes: 672/2020

**Disciplines:** medical sciences

##### Status of the

**course:**Obligatoryjny

**Group of courses:**B -

przedmioty kierunkowe

**Code:** ISCED 0912

**Field of study:**Medicine

**Scope of education:**

**Profile of education:**

General academic

**Form of studies:** full-time

**Level of studies:** uniform master's studies

**Year/semester:** 4/8

**Types of classes:** Seminar, Classes

**Number of hours in semester:**Seminar: 10.00, Classes: 40.00

**Language of**

**instruction:**English

**Introductory subject:**

Anatomy, Physiology, Pathology, Biochemistry, Histology with cytophysiology and embryology, Immunology, Microbiology, Pharmacology with toxicology, Physiology of child development. The principles of feeding children. Symptomatology of the most common childhood diseases. Physical examination of a child of different ages.

**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.

##### Name of the organisational unit conducting the course:

Katedra Pediatrii Klinicznej

**Person responsible for the realization of the course:**dr hab. n. med. Elżbieta Jarocka-Cyrta, prof. UWM

**e-mail:**

elzbieta.jarocka@uwm.edu.pl

##### Additional remarks:

diseases of children: a) rickets, tetany, convulsions, gastrointestinal, b) growth disorders, thyroid and parathyroid diseases, adrenal diseases, diabetes, obesity, puberty disorders and gonadal function

W3 - Knows and understands the causes, symptoms, principles of diagnosis and therapeutic procedure in the case of the most common diseases of children: urinary tract infections, urinary system congenital disorders, nephrotic syndrome, nephrolithiasis, acute and chronic renal failure, acute and chronic kidney inflammation, systemic kidney disease, urinary disorders, gastroesophageal reflux disease.

W4 - Knows and understands the types of biological materials used in laboratory diagnostics and the principles of collecting material for testing

### **Skills:**

U1 - Can conduct a medical interview with the child and family

U2 - Can conduct a physical examination of a child of all ages.

U3 - Can qualify the patient for home and hospital treatment;

U4 - Can interpret laboratory tests and identify the causes of deviations.

U5 - Can perform basic procedures and medical procedures, including bladder catheterisation in men and women, probing the stomach, gastric lavage, enema

U6 - Can plan specialist consultations.

### **Social competence:**

K1 - Can establish and maintain a deep and respectful contact with the patient and demonstrate understanding of differences in worldview and culture.

K2 - The student is guided by the well-being of the patient

K3 - Obeys the medical confidentiality rule and respects patient rights.

K4 - Notices and recognises its own limitations and makes a self-assessment of deficits and educational needs

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.

### **TEACHING FORMS AND METHODS:**

Seminar(W1;W2;W3;W4;U1;U2;U3;U4;U5;U6;K1;K2;K3;K4;K5;):Multimedia presentation. Discussion of the problem on the example of a clinical case. Round table talk

Classes(W1;W2;W3;W4;U1;U2;U3;U4;U5;U6;K1;K2;K3;K4;K5;):Exercise and practical classes in groups under the supervision of an assistant: problem, situational, brainstorming, case study.

### **FORM AND CONDITIONS OF VERIFYING LEARNING**

#### **OUTCOMES:**

Seminar (Part in the discussion) - Student presence at all seminars. -

Classes (Competence test) - Knowledge test from seminars, lectures and exercises. A prerequisite to take the test is to obtain a total of 16 points from the exercise activity tests and two medical histories in the summer semester. The test consists of 50 questions. The condition to pass the practical part is obtaining above 70% of points. In the case of not passing the test, oral assessment. The final grade from the course Pediatrics in the 4th year is the result of the test according to the following scoring: ≤ 35 pts - unsatisfactory 36-38 pts - satisfactory 39-41 points - satisfactory plus 42-44 points - good 45-47 points - good plus 48-50 points - very good -

#### **BASIC LITERATURE:**

1. R. Kleigman, K.J. Marcandante, H.B. Jenson, R.E. Behrman, Nelson, *Nelson Essentials of Pediatrics-9th edition*, Wyd. Elsevier, R. 2022
2. T. Lissauer, Carroll W, *Illustrated Textbook of Pediatrics*, Wyd. Elsevier, R. 2021

**SUPPLEMENTARY LITERATURE:**



## Detailed description of ECTS credits awarded - part B

**48SJ-PED47**

**ECTS: 3.00**

**CYCLE: 2023L**

### **Pediatrics 4**

The number of ECTS credits awarded consists of:

1. Contact hours with the academic teacher:

- participation in: Seminar	10.0 h
- participation in: Classes	40.0 h
- consultation	2.0
	Total: 52.0 h.

2. 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
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Total: 23.0 h

contact hours + independent work of a student Total: 75.0 h

1 ECTS credit = 25-30 h of an average student's work, number of ECTS credit = 75.0 h : 25.0 h/ECTS  
= 3.00 ECTS on average: 3.0 ECTS

- including the number of ECTS credits for contact hours with the direct participation of an academic  
teacher: 0,00 ECTS points,

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