

SYLLABUS

concerning the cycle of education 2022-2028

(date range)

1.1. BASIC INFORMATION CONCERNING THIS SUBJECT / MODULE

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| Subject / Module | Pediatrics |
| Course code / module * | PD - E |
| Faculty of (name of the leading direction) | Medical College of Rzeszów University |
| Department Name | Medical College of Rzeszów University |
| Field of study | medical direction |
| Level of education | uniform master's studies |
| Profile | practical |
| Form of study | stationary / extramural |
| Year and semester | year IV, semester VIII |
| Type of course | obligatory |
| Coordinator | Dr n. med. Radosław Chaber |
| First and Last Name of the Teacher | prof. dr hab. Artur Mazur, dr hab. Bartosz Korczowski prof. UR, dr hab. Jacek Tabarkiewicz, prof. UR, dr Elżbieta Czyżyk, dr Witold Błaż, dr Radosław Chaber, lek Jakub Musiał, lek Anna Tomoń, lek Szymon Figurski, dr Marta Rachel, lek. Anna Mach-Jamińska, lek. Małgorzata Dąbrowska, dr Krystyna Piasecka, dr Józef Rusin, dr Hanna Czajka |

* - According to the resolutions of the Faculty of Medicine

1.2. Forms of classes, number of hours and ECTS

| Lecture | Exercise | Conversation | Laboratory | Seminar | ZP | Practical | Self-learning | Number of points ECTS |
|---------|----------|--------------|------------|---------|----|-----------|---------------|-----------------------|
| 18 | 36 | - | - | - | - | - | 80 | 5 |

1.3. The form of class activities

classes are in the traditional form

classes are implemented using methods and techniques of distance learning

1.4. Examination Forms / module (exam, **credit with grade** or credit without grade)

2. REQUIREMENTS

Knowledge of topographic and functional human anatomy, knowledge of neuroanatomy, physiology and pathophysiology of the child.

3. OBJECTIVES, OUTCOMES, AND PROGRAM CONTENT USED IN TEACHING METHODS

3.1. Objectives of this course/module

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| C1 | Acquiring general theoretical and practical basics in the field of pediatrics. |
| C2 | Mastering the skills of collecting medical history, physical examination of a child. |
| C3 | Mastering the practical proceedings with a child coming to the children's clinic (healthy and sick child). |
| C4 | Acquiring outpatient treatment skills and dealing with a child suffering from respiratory and digestive diseases. |
| C5 | Mastering the basics of interpretation of additional tests in children in diseases of the respiratory and digestive systems |

3.2 OUTCOMES FOR THE COURSE / MODULE (TO BE COMPLETED BY THE COORDINATOR)

| EK (the effect of education) | The content of the learning effect defined for the subject (module) | Reference to directional effects (KEK) |
|------------------------------|--|--|
| EK_01 | <p>knows and understands the causes, symptoms, principles of diagnosis and therapeutic treatment in the case of the most common diseases of children:</p> <p>a) the most common infectious diseases of childhood,</p> <p>b) urinary tract infections, congenital malformations, nephrotic syndrome, nephrolithiasis, acute and chronic renal failure, acute and chronic kidney disease, renal system diseases, urinary disorders, vesicoureteral reflux disease</p> <p>c) heart defects, myocarditis, endocarditis, cardiomyopathy, arrhythmias, cardiac insufficiency, hypertension, syncope,</p> | E.W3. |
| EK_02 | knows the most frequent conditions of life threat in children and rules of conduct in these states; | E.W6. |
| EK_03 | conducts a medical history with the child and his family; | E.U2. |
| EK_04 | performs physical examination of a child of all ages; | E.U4. |
| EK_05 | evaluates the state of the newborn on the Apgar scale and assesses its maturity, investigates neonatal reflexes; | E.U8. |
| EK_06 | compiles anthropometric and blood pressure measurements with data on centile grids; | E.U9. |
| EK_07 | evaluates the degree of advancement of sexual maturation; | E.U10. |

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| EK_08 | performs differential diagnosis of the most common diseases of children; | E.U12. |
| EK_09 | recognizes states of immediate life threat; | E.U14. |
| EK_10 | plans diagnostic, therapeutic and prophylactic procedures; | E.U16. |
| EK_11 | interprets laboratory tests and identifies causes of deviations; | E.U24. |
| EK_12 | plans specialist consultations; | E.U32. |
| EK_13 | recognizes the agony of the patient and determines his death; | E.U37. |
| EK_14 | keeps the patient's medical records. | E.U38. |
| EK_15 | can establish and maintain a deep and respectful contact with the patient | K.01. |
| EK_16 | he is guided by the good of the patient, placing them in the first place | K.02. |
| EK_17 | respects medical confidentiality and patient's rights | K.03. |

3.3 CONTENT CURRICULUM (filled by the coordinator)

A. Lectures

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| Course contents |
| Basic symptoms and differential diagnosis in cardiovascular diseases - cyanosis, palpitations, fainting. A child in a life-threatening condition. Selected aspects |
| Congenital and acquired heart defects. |
| Basic symptoms and differential diagnosis in diseases of the excretory system - oliguria and anuria, kidney tumors, hematuria, proteinuria, bacteriuria, leukocyturia, dysuria, soaking, urinary retention. |
| Laboratory tests in nephrology. Glomerulonephritis. |
| Basic symptoms and differential diagnosis in infectious diseases in children - fever, enlargement of lymph nodes, rashes. Acute infectious rash diseases in children |
| Active and passive prevention of infectious diseases in children. AIDS. |

B. Exercises

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|---------------------------|
| Course contents |
| Congenital heart defects. |
| Defects acquired heart |
| Arrhythmias in children. |

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| Hypertension. |
| Chronic heart failure in children. |
| Inflammatory diseases of the heart |
| cardiomyopathies |
| Orthostatic syndrome |
| Urinary tract infection |
| Nephrotic syndrome |
| Glomerulonephritis |
| Urinary calculus |
| Acute renal failure |
| Chronic renal failure |
| tubular disorders |
| Disorders of urinary outflow |
| Bacteria and sepsis. |
| Inflammation of the brain and meninges |
| Bacterial diseases in children. |
| Viral diseases in children |
| Grzybice in children |
| Parasitic diseases in children. |

3.4 TEACHING METHODS

Lecture: multimedia presentation.

Exercises: case analysis.

Student's own work: work with a book.

4 METHODS AND EVALUATION CRITERIA

4.1 Methods of verification of learning outcomes

| Symbol of effect | Methods of assessment of learning outcomes (Eg.: tests, oral exams, written exams, project reports, observations during classes) | Form of classes |
|-------------------------|--|--------------------|
| EK_01 EK_02 | Written and oral test | Lecture, Exercises |
| EK_03 EK_04 EK_05 | Practical pass | Exercises |

| | | |
|--|------------|-----------|
| EK_06 EK_07 EK_08 EK_09 EK_10 EK_11 EK_12 EK_13 EK_14 EK_15, EK_16, EK_17 | | |
| EK_03 EK_04 EK_07 EK_08 EK_09 EK_10 | Case study | Exercises |

4.2 Conditions for completing the course (evaluation criteria)

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| <p>Exercises, seminars:</p> <ol style="list-style-type: none"> 1. full participation and activity in the exercises 2. written partial credits <p>Range of ratings: 2.0 - 5.0</p> <p>Lectures:</p> <ol style="list-style-type: none"> 1. test pass and open questions: <p>A: Questions in the field of messages to remember; B: Questions in the field of speech to understand;</p> <p>C: Solving a typical written task; D: Solving an atypical writing task;</p> <p>for insufficient solution of tasks only from areas A and B = score 2.0</p> <ul style="list-style-type: none"> - for solving tasks only from areas A and B, the possibility of obtaining max. rating 3.0 - for solving tasks from the area A + B + C, the possibility of obtaining max. evaluation 4.0 - for the solution of tasks in the area A + B + C + D, the possibility of obtaining a rating of 5.0 <p>Knowledge assessment:</p> <p>5.0 - has knowledge of the education content at the level of 93% -100%</p> <p>4.5 - has knowledge of the content of education at the level of 85% -92%</p> <p>4.0 - has knowledge of the content of education at the level of 77% -84%</p> <p>3.5 - has knowledge of the content of education at the level of 69% -76%</p> |
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3.0 - has knowledge of the content of education at the level of 60% -68%

2.0 - has knowledge of the educational content below 60%

Skill assessment

5.0 - the student actively participates in classes, is well prepared, has acquired theoretical and practical knowledge in the field of pediatrics. To a very good extent, he mastered the skills of collecting medical history, physical examination of the child

4.5 - the student actively participates in classes, has acquired theoretical and practical knowledge in the field of pediatrics at a very good level. He successfully mastered the skills of collecting medical history, physical examination of the child.

4.0 - the student actively participates in classes, is improved, he has acquired theoretical and practical knowledge in the field of pediatrics to a good degree. He successfully mastered the skills of collecting medical history, physical examination of the child

3.5 - the student participates in the classes, his scope of preparation does not allow for a comprehensive presentation of the discussed problem in the field of paediatrics. He sufficiently mastered the skills of collecting medical history, physical examination of the child

3.0 - the student participates in the classes, sufficiently acquired theoretical and practical knowledge in the field of pediatrics. He mastered the skills of collecting medical history, physical examination of the child, however, it is often corrected.

2.0 - the student passively participates in classes, the statements are incorrect in substance, theoretical and practical knowledge in the field of pediatrics is not sufficient. He has not mastered the skills of collecting medical history, physical examination of the child, frequently made mistakes.

5. Total student workload required to achieve the desired result in hours and ECTS credits

| Activity | Hours / student work |
|---|----------------------|
| Hours of classes according to plan with the teacher | 54 |
| Preparation for classes | 80 |
| Participation in the consultations | 2 |
| The time to write a paper / essay | - |
| Preparation for tests | - |
| Participation in colloquia | - |
| Other (e-learning) | - |
| SUM OF HOURS | 136 |
| TOTAL NUMBER OF ECTS | 5 |

6. TRAINING PRACTICES IN THE SUBJECT / MODUL

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|-----------------------------------|---|
| Number of hours | - |
| Rules and forms of apprenticeship | - |

6. LITERATURE

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| <p>READING:</p> <ol style="list-style-type: none"> 1. Pediatria tom 1-2 Wanda Kawalec, Ryszard Grenda, Helena Ziółkowska, Ewa Bernatowska, Mieczysław Chmielik, Mieczysława Czerwionka-Szaflarska PZWL, 2013, 1329 str. 2. Pediatria do LEK i PES. Podręcznik do Lekarskiego Egzaminu Końcowego i Państwowego Egzaminu Specjalizacyjnego). Anna Dobrzańska, Jozef Ryżko Elsevier Urban & Partner, 2014, 1092 str. |
| <p>Additional literature:</p> <ol style="list-style-type: none"> 1. Nelson Pediatria - Tom 1-2 (komplet) Karen Marcante, Robert M. Kliegman, Hal B. Jenson, Richard E. Behrman, red. wyd. pol. Andrzej Milanowski Elsevier Urban & Partner, 2013, 798 str. 2. Badanie kliniczne w pediatrii - atlas i podręcznik tom 1-2 komplet Basil J. Zitelli, red. wyd. pol. Anna Dobrzańska Elsevier Urban & Partner, 2014, 1006 str. 3. Od objawu do nowotworu Wczesne rozpoznawanie chorób nowotworowych u dzieci Alicja Chybicka Elsevier Urban & Partner, 2013, 353 str. 4. Neonatologia i opieka nad noworodkiem. Tom 1-2 komplet Janusz Świetliński PZWL, 2017, 1400 str. 5. Choroby zakaźne i pasożytnicze u dzieci Zbigniew Rudkowski PZWL, 2013, 375 str. 6. Endokrynologia i diabetologia wieku rozwojowego Anna Noczyńska MedPh..., 2013, 240 str. 7. Michałowicz R.: Mózgowe porażenie dziecięce, PZWL, Warszawa 2001 |

Acceptance Unit Manager or authorized person