

SYLLABUS

concerning the cycle of education 2023-2029

(date range)

1.1. BASIC INFORMATION CONCERNING THIS SUBJECT / MODULE

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 VII
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
12	30	-	-	-	-	-	30	3

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

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	knows the environmental and epidemiological conditions of the most common diseases	E.W2.
EK_02	<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) acute and chronic diseases of the upper and lower respiratory tract, congenital defects of the respiratory system, tuberculosis, cystic fibrosis, asthma, allergic rhinitis, urticaria, anaphylactic shock, angioedema edema,</p> <p>b) acute and chronic abdominal pain, vomiting, diarrhea, constipation, gastrointestinal bleeding, peptic ulcer disease, unspecified intestinal diseases, pancreatic diseases, cholestasis and liver diseases and other acquired diseases and congenital gastrointestinal disorders,</p>	E.W3.
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	compiles anthropometric and blood pressure measurements with data on centile grids;	E.U9.
EK_06	evaluates the degree of advancement of sexual maturation;	E.U10.
EK_07	performs differential diagnosis of the most common diseases of children;	E.U12.

EK_08	interprets laboratory tests and identifies causes of deviations;	E.U24.
EK_09	plans diagnostic, therapeutic and prophylactic procedures;	E.U16.
EK_10	plans specialist consultations;	E.U32.
EK_11	keeps the patient's medical records.	E.U38.
EK_12	can establish and maintain a deep and respectful contact with the patient	K.01.
EK_13	he is guided by the good of the patient, placing them in the first place	K.02.
EK_14	respects medical confidentiality and patient's rights	K.03.

3.3 CONTENT CURRICULUM (filled by the coordinator)

A. Lectures

Course contents
Basic symptoms and differential diagnosis in respiratory diseases in children - shortness of breath, stridor, cough, wheezing, hemoptysis, hyperventilation. Cystic fibrosis.
Asthma and asthmatic status in children. Skin changes in allergic diseases in children.
Basic symptoms and differential diagnosis in gastrointestinal diseases in children - abdominal pain, gastrointestinal bleeding, spitting and vomiting, diarrhea, jaundice, emaciation. Helicobacter pylori: epidemiology, clinical significance, diagnostics, treatment.
Eating disorders in children and adolescents. Celiac disease: a disease with many faces. Chronic diarrhea in children. Non-specific intestinal inflammation.

B. Exercises

Course contents
Infections of the upper respiratory tract
Infections of the lower respiratory tract
Cystic fibrosis
Bronchial asthma
Acute respiratory failure in older children
Chronic respiratory diseases.
Tuberculosis
Gastroesophageal reflux, reflux disease

Inflammation of the stomach and duodenum. Peptic ulcer disease in children
Hypertrophic narrowing of the pylorus
Constipation in children. Hirschprung's disease
Acute diarrhea
Chronic diarrhea
Stomach pain
Non-specific intestinal inflammation
Chronic liver disease in children. Cirrhosis. Portal hypertension
Acute pancreatitis. Pancreatic insufficiency
Disorders of the conversion of amino acids, carbohydrates and fats

3.4 TEACHING METHODS

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	Lectures, Exercises
EK_03 EK_04 EK_05 EK_06 EK_07 EK_08 EK_09 EK_10 EK_11 EK_12 EK_13 EK_14	Practical pass	Exercises
EK_03 EK_04 EK_07 EK_08 EK_09 EK_10	Case study	Exercises

4.2 Conditions for completing the course (evaluation criteria)

Exercises, seminars:

1. full participation and activity in the exercises
2. written partial credits

Range of ratings: 2.0 - 5.0

Lectures:

1. test pass and open questions:

A: Questions in the field of messages to remember; B: Questions in the field of speech to understand; C: Solving a typical written task; D: Solving an atypical writing task;

for insufficient solution of tasks only from areas A and B = score 2.0

- 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

Knowledge assessment:

5.0 - has knowledge of the education content at the level of 93% -100%

4.5 - has knowledge of the content of education at the level of 85% -92%

4.0 - has knowledge of the content of education at the level of 77% -84%

3.5 - has knowledge of the content of education at the level of 69% -76%

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	42
Preparation for classes	30
Participation in the consultations	2
The time to write a paper / essay	-
Preparation for tests	-
Participation in colloquia	-
Other (e-learning)	-
SUM OF HOURS	74
TOTAL NUMBER OF ECTS	3

6. TRAINING PRACTICES IN THE SUBJECT / MODUL

Number of hours	-
Rules and forms of apprenticeship	-

6. LITERATURE

READING:

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.

Additional literature:

1. Nelson Pediatria - Tom 1-2 (komplet) Karen Marcadante, 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