

SYLLABUS

concerning the cycle of education 2022-2028

(date range)

1.1. BASIC INFORMATION CONCERNING THIS SUBJECT / MODULE

Subject / Module	Propedeutics of pediatrics
Course code / module *	PrP/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 III, semester VI
Type of course	obligatory
Coordinator	Dr n. med. Radosław Chaber
First and Last Name of the Teacher	Józef Ryżko, Artur Mazur, Bartosz Korczowski, Radosław Chaber, Witold Błaż, Elżbieta Czyżyk, Małgorzata Dąbrowska, Krystyna Piasecka, Marta Rachel, Hanna Czajka, Szymon Figurski.

* - 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
30	15	-	-	15	-	-	-	2

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 human pathophysiology and differences regarding the child at various stages of development.

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

3.1. Objectives of this course/module

C1	Mastering theoretical foundations and practical skills in diagnosing diseases in pediatrics and secondary symptoms. Obtaining information on the specificity and separateness of the pathophysiology and the clinic of diseases in children and adolescents. Mastering the skills of collecting medical history, physical examination of a child. Mastering the basics of interpretation of laboratory tests in children.
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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 genetic, environmental and epidemiological conditions of the most common diseases	E.W1
EK_02	knows the principles of nutrition for healthy and sick children, the principles of immunization and keeping the child's health balance	E.W2
EK_03	knows the issues of: battered child and sexual abuse, mental retardation, behavioral disorders: psychoses, addictions, eating disorders and excretion in children	E.W4
EK_04	conducts a medical interview with the child and his family	E.U2
EK_05	performs physical examination of a child of all ages	E.U4
EK_06	evaluates the general condition, state of consciousness and awareness of the patient	E.U7
EK_07	compiles anthropometric and blood pressure measurements with data on centile grids	E.U9
EK_08	is aware of one's limitations and the ability to constantly learn	K.04

3.3 CONTENT CURRICULUM (filled by the coordinator)

A. Lectures

Treści merytoryczne
Symptomatology in pediatrics - fever, cough, dyspnoea, symptoms of respiratory failure - discussion of the most important issues related to these symptoms
Symptomatology in pediatrics - cyanosis, symptoms of circulatory insufficiency, jaundice, enlargement of lymph nodes, enlargement of the liver

and spleen, - discussion of the most important issues related to the mentioned symptoms
Symptomatology in pediatrics - vomiting, gluing, abnormal stools, dehydration, anuria, polyuria, diarrheal symptoms, edema - discussion of the most important issues related to these symptoms
Urgent conditions in pediatrics - a discussion of the most important causes of life-threatening conditions in children, the principles of first aid in these states. Sudden cot death.
Battered child syndrome - definition, criteria for diagnosis, principles of treatment, prophylaxis. Early childhood autism. Asperger's syndrome. Disorders of behavior in children. Convulsions and disturbances in children's awareness.
Eating disorders - anorexia, bulimia, obesity - definition, criteria for diagnosis, principles of treatment, prophylaxis
The most important infectious diseases in children and their prevention. Differentiation of rashes in children.
Vaccinations - current calendar of vaccinations, discussion of mandatory and recommended vaccinations, contraindications to vaccination, complications after vaccination
Basic laboratory diagnostics - separateness of children's age
Disorders of sexual development. The most important genetic syndromes in children. Genetic counseling

B. Exercises

Course contents
Physical examination. Principles of detailed examination of abdominal cavity and genitourinary system in children. Developmental differences of the genitourinary system.
Neurological examination, Glasgow scale, cranial nerve assessment, meningeal symptoms, symptoms of increased intracranial pressure. Principles of examination of deep (tendinous) physiological reflexes. Examination of tire symptoms. Baby reflexes.
Evaluation of the general condition of the newborn (Apgar scale), methods for assessing the level of maturity. Newborn pathology: a newborn infant, too small to fetal age, too big to fetal age, from a multiple pregnancy. Perinatal injuries. Screening tests of newborns
To familiarize students with the tests performed in the Laboratory of Functional Research (pH-metrics, breath tests).
Self-collecting intelligence. Independent physical examination and development of praesens status.
Familiarizing students with the work of a specialist pediatric clinic.

C. Seminars

Course contents
Organization of children's treatment - basic health care, specialist clinics, neonatal unit, infant and younger children, department of older children, specialist departments. Hygiene and care of infants and toddlers. Medical records. Children's Health Book
Assessment of somatic development (standards tables, percentile grids, assessment of biological age, assessment of nutritional status, assessment of sexual maturation)
Preventive medical examination health balance in children.
Prevention of civilization diseases in developmental age - obesity, hypercholesterolemia and atherosclerosis, diabetes, digestive tract disorders, dental prophylaxis
Summary of the received messages.

3.4 TEACHING METHODS

Lecture: lecture with multimedia presentation

Exercises: practical exercises

Seminars: multimedia presentation

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 test	Lecture
EK_03- EK_08	Practical pass	Exercises, Seminars

4.2 Conditions for completing the course (evaluation criteria)

Lecture:

Written test

Knowledge assessment (EK_01, EK_02):

5.0 - has knowledge of each of the contents of education at the level of 90% -100%

4.5 - has knowledge of each of the content of education at the level of 84% -89%

4.0 - has knowledge of each of the content of education at the level of 77% -83%

3.5 - has knowledge of each of the content of education at the level of 70% -76%

3.0 - has knowledge of each of the content of education at the level of 60% -69%

2.0 - has knowledge of each of the contents of education below 60%

Exercises and seminars:

Practical pass

Skill assessment (EK_03-EK_07):

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 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	60
Preparation for classes	5
Participation in the consultations	-
The time to write a paper / essay	-
Preparation for tests	5
Participation in colloquia	-
Other (e-learning)	-
SUM OF HOURS	70
TOTAL NUMBER OF ECTS	2

6. TRAINING PRACTICES IN THE SUBJECT / MODUL

Number of hours	-
Rules and forms of apprenticeship	-

7. LITERATURE

READING:

1. Krawczyński M.: Propedeutyka Pediatrii. PZWL 2009.
2. Dobrzańska A., Ryżko J., Pediatria do LEK i PES . Podręcznik do Lekarskiego Egzaminu Końcowego i Państwowego Egzaminu Specjalizacyjnego. Urban & Partner. Wrocław 2014. Wyd. 2
3. Kawalec W., Grenda R., Ziółkowska H. i in. Pediatria t.1-2. PZWL. Warszawa 2013wyd. 1

Additional literature:

1. Obuchowicz A. Badanie podmiotowe i przedmiotowe w pediatrii PZWL 2016.
2. Basil J. Zitelli. red. wyd. Pol. Anna Dobrzańska. Badanie kliniczne w pediatrii – atlas i podręcznik t.1-2 Urban & Partner. Wrocław 2014
3. Kawalec W., Milanowski A. (red.): Diagnostyka różnicowa najczęstszych objawów w praktyce pediatrycznej. WL PZWL W-wa 2003.
4. Żywnienie dzieci w zdrowiu i chorobie. Wyd. I pod redakcją Mariana Krawczyńskiego. Wyd. HELP MED.
5. Szczapa J. Neonatologia. PZWL 2015
6. Zbigniew Rutkowski - Choroby zakaźne i pasożytnicze u dzieci - Wydawnictwo Lekarskie PZWL - Warszawa 2015 - Wydanie I (5 dodruk)
7. Carol J.Baker (red) - Choroby zakaźne u dzieci - Wydawnictwo Lekarskie PZWL - Warszawa 2010 - Wydanie I
8. KOMUNIKAT GŁÓWNEGO INSPEKTORA SANITARNEGO z dnia 4 stycznia 2017 r. w sprawie Programu Szczepień Ochronnych na rok 2017 (Dziennik Urzędowy Ministra Zdrowia z 2017 r. poz. 1

Acceptance Unit Manager or authorized person