Appendix number 1.5 to The Rector UR Resolution No. 12/2019

SYLLABUS

**concerning the cycle of education 2022-2028**

 (date range)

* 1. BASIC INFORMATION CONCERNING THIS SUBJECT / MODULE

|  |  |
| --- | --- |
| Subject / Module | Pediatrics |
| Course code / module \* | PD - E |
| Faculty of (name of the leading direction) | College of Medical Sciences, University of Rzeszów |
| Department Name | College of Medical Sciences, University of Rzeszów |
| 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, VIII |
| Type of course | obligatory |
| Coordinator |  |
| First and Last Name of the Teacher |  |

\* - According to the resolutions of the Faculty of Medicine

1.2. Forms of classes, number of hours and ECTS

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Semester | Lecture | Exercise  | Conversation | Laboratory | Seminar | ZP | Practical | Self-learning | **Number of points ECTS** |
| VII | 20 | 48 | - | - | 9 | - | - | - | **5** |
| VIII | 20 | 27 | - | - | 6 | - | - | - | **3** |
| IX | 20 | 24 | - | - | 12 | - | - | - | **3** |
| X | 20 | 24 | - | - | 8 | - | - | - | **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

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| 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**

* 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 | knows the environmental and epidemiological conditions of the most common diseases | E.W2. |
| EK\_02 | knows and understands the causes, symptoms, principles of diagnosis and therapeutic treatment in the case of the most common diseases of children: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,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, | 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**

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| **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**

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| **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

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| --- | --- | --- |
| Symbol of effect | Methods of assessment of learning outcomes (Eg.: tests, oral exams, written exams, project reports, observations during classes) | Form of classes |
| EK\_ 01EK\_02 | Written and oral test | Lectures, Exercises |
| EK\_03EK\_04EK\_05EK\_06EK\_07EK\_08EK\_09EK\_10EK\_11EK\_12EK\_13EK\_14 | Practical pass | Exercises |
| EK\_03EK\_04EK\_07EK\_08EK\_09EK\_10 | Case study | Exercises |

4.2 Conditions for completing the course (evaluation criteria)

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| --- |
| **Exercises, seminars:**1. full participation and activity in the exercises2. written partial creditsRange 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 child4.5 - 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 child3.5 - 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 child3.0 - 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

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| --- | --- |
| 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 | **14** |

6. TRAINING PRACTICES IN THE SUBJECT / MODUL

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

1. LITERATURE

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| **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.
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| Additional literature:1. Nelson Pediatria - Tom 1-2 (komplet) Karen Marcdante, 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
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Acceptance Unit Manager or authorized person