Annex to Ordinance No. 166

Rector of the Nicolaus Copernicus University
of December 21, 2015

Subject description form (syllabus form) for higher education, PhD, postgraduate and further education courses

A. General description of the subject

Field name	Comment
name of the subject	**Preparation for LEK - pediatrics** **Preparation for LEK - Paediatrics**
The entity offering the subject	**Faculty of Medicine, Collegium Medicum UMK** **Department of Pediatrics, Allergology and Gastroenterology** **Department of Pediatrics, Hematology and Oncology**
The unit for which the subject is offered	**Faculty of Medicine, Collegium Medicum, Nicolaus Copernicus University** **Medical field** **Full- time full-time master's studies**
Subject code	**1655-LekM5LEKPED-J**
ISCED code	**0912**
Number of ECTS points	**0.4**
Method of passing	pass
Language of lecture	Polish
Determining whether a course can be passed multiple times	NO
The subject's belonging to a group of subjects	Obligatory subject
Total workload of a student/postgraduate student/participant of further education courses	1. The workload related to classes requiring the direct participation of academic teachers is: - participation in seminars : 6 **hours** The workload related to classes requiring the direct participation of academic teachers is 6 **hours** , which corresponds to **0.24 ECTS points .**

	2. Balance of student workload: - participation in seminars : 6 **hours** - preparation for classes (review of tests, review of material from a given scope of classes): 6 **hours** The total student workload is 12 **hours** , which corresponds to **0.4 ECTS points** 3. Workload related to scientific research: - reading selected scientific literature: 2 **hours** The total student workload related to research is **2.5 hours** , which corresponds to **0.08 ECTS points** 4. Time required to prepare for and participate in the assessment process: **not applicable** 5. Balance of student workload of a practical nature: **not applicable** 6. Time required to complete mandatory internship: **not applicable**
Educational effects – knowledge	W1: knows the consequences of improper nutrition, including long-term starvation, eating too large meals and using an unbalanced diet (B K_W19) W2: knows the consequences of vitamin or mineral deficiency and their excess in the body (B K_W20) W3: knows the basic quantitative parameters describing the performance of individual systems and organs, including: the normal range and demographic factors influencing the value of these parameters (B K_W29) W4: describes aberrations of autosomes and heterosomes that cause diseases, including oncogenic cancers (C K_W07) W5: knows the epidemiology of infections with viruses, bacteria, fungi and parasites, taking into account the geographical range of their occurrence (C K_W13) W6: knows the basics of development and mechanisms of operation of the immune system, including specific and non-specific mechanisms of humoral and cellular immunity (C K_W20) W7: lists the clinical forms of the most common diseases of individual systems and organs, metabolic diseases and water-electrolyte and acid-base disorders (C K_W33) W8: knows the genetic, environmental and epidemiological conditions of the most common diseases (E K_W01) W9: knows the principles of feeding healthy and sick children,

	including natural feeding, vaccinations and keeping a child's health assessment (E K_W02) W10: knows and understands the causes, symptoms, principles of diagnosis and therapeutic procedures of the most common children's diseases: a) rickets, tetany, convulsions, b) heart defects, myocarditis, endocarditis and pericarditis, cardiomyopathy, cardiac arrhythmias, heart failure, hypertension , fainting, c) 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, d) anemia, bleeding disorders, bone marrow failure, diseases childhood cancers, including solid tumors typical of childhood, e) acute and chronic abdominal pain, vomiting, diarrhea, constipation, gastrointestinal bleeding, peptic ulcer disease, inflammatory bowel diseases, pancreatic diseases, cholestasis and liver diseases, other acquired diseases and congenital defects of the gastrointestinal tract, f) urinary tract infections, congenital defects of the urinary tract, nephrotic syndrome, nephrolithiasis, acute and chronic renal failure, acute and chronic nephritis, systemic kidney diseases, urination disorders, vesicoureteral reflux disease, g) growth disorders, thyroid and parathyroid diseases, adrenal gland diseases, diabetes, obesity, disorders of puberty and gonadal function, h) cerebral palsy, encephalitis and meningitis, epilepsy, i) the most common infectious diseases of childhood, j) genetic syndromes, k) connective tissue diseases, rheumatic fever, juvenile arthritis, systemic lupus, dermatomyositis (E K_W03) W11: knows the issues of: abused children and sexual abuse, mental retardation, behavioral disorders: psychoses, addictions, eating and excretion disorders in children (E K_W04) W12: knows the most common life-threatening conditions in children and the rules of conduct in these conditions (E K_W06) W13: knows and understands the causes, symptoms, principles of diagnosis and therapeutic procedures in the most common hereditary diseases (E K_W35)
Educational outcomes – skills	U 1 : can interpret the results of laboratory tests in all the most common children's diseases (E K_U24) U 2 : can propose appropriate diagnostic, therapeutic and preventive procedures (E K_U16)
Educational effects – social competences	Not applicable
Teaching methods:	● problem lecture ● conversational lecture ● didactic discussion

Entrance requirements	A student joining the classes should have knowledge of basic (preclinical) sciences (in particular: anatomy, physiology and pathophysiology, genetics, pharmacology, laboratory diagnostics, immunology, pathomorphology, microbiology), knowledge and skills in the field of basic pediatrics: development of a healthy child, child physiology , child nutrition, medical care for healthy children (health checkups, vaccinations) and information on the most common diseases in children along with the basics of their diagnosis, differentiation and treatment.
Brief description of the item	The aim of the classes is to review all issues in the field of pediatric propaedeutics and children's diseases in terms of correct solving the tasks of the Final Medical Examination.
Full subject description	The aim of the classes is to review all issues in the field of pediatric propaedeutics and children's diseases in terms of correct solving the tasks of the Final Medical Examination. During thematically divided seminars, test questions that appeared in previous LEK exams and related to the relevant section of pediatrics are discussed. At the same time, information from this section is discussed along with the most important or problematic issues appearing in the tests.
Literature	● Illustrated Textbook of Paediatrics: with STUDENT CONSULT Online Access Tom Lissauer, Graham Clayden, Mosby; 4 edition (30 Sep 2011) ● Nelson Essentials of Paediatrics: Karen J. Marcdante, Robert M. Kliegman
Assessment methods and criteria	The item is not subject to assessment
Professional internships as part of the subject	Not applicable

B. Description of the subject of the cycle

Field name	Comment
The didactic cycle in which the subject is implemented	Academic year 2023 /2024
Method of completing a course in a cycle	Pass
Form(s) and number of hours of classes and methods of completing them	Seminars - 6 hours: passing
Name and surname of the cycle subject coordinator(s).	Prof. dr hab. Aneta Krogulska
Name and surname of the people	Academic teachers employed in the Department of Pediatrics,

leading the subject groups	Hematology and Oncology and in the Department of Pediatrics, Allergology and Gastroenterology
Attribute (nature) of an item	Obligatory subject
Class groups with description and limit of places in groups	Seminars - groups of 20-24 people
Dates and places of classes	Classes are held in the following locations: ● Department of Pediatrics, Hematology and Oncology ● Department of Pediatrics, Allergology and Gastroenterology Details regarding the dates and place of classes are provided by the Didactics Department of the Collegium Medicum and the Department of Pediatrics, Hematology and Oncology and the Clinic of Pediatrics, Allergology and Gastroenterology (class schedule on the Department's website and also on the notice board).
Number of hours of classes conducted using distance learning methods and techniques	not applicable
Subject website	not applicable
Learning outcomes defined for a given form of classes within the subject	Identical to part A
Methods and criteria for assessing a given form of classes within a subject	The item is not subject to assessment
Range of topics	● Neonatology. ● Infectious diseases of children. Vaccinations. ● Allergic diseases. Asthma. ● Digestive system diseases. Children's nutrition. Water-electrolyte and acid-base management. ● Genetics. Metabolic diseases. Immunology. Rheumatology. ● Growth and eating disorders. Puberty. Endocrinology. Thyroid diseases. Diabetes. ● Cardiovascular disease. Intensive care. ● Oncology. Hematology. ● Pulmonology. Upper respiratory tract diseases. Antibiotic therapy. ● Semiotics. Child development assessment. Neurological disorders.
Teaching methods	Identical to part A
Literature	Identical to part A