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| **Syllabus for academic year: 2021/2022** **Training cycle: 2019/2020 – 2024/2025** |
| **Description of the course** |
| **Course** | Pediatrics (Propaedeutics) | Group of detailed education results |
| Group codeE | Group namenon-interventional clinical sciences |
| **Faculty** | Faculty of Medicine |
| **Major**  | medicine |
| **Level of studies** | X uniform magister studies |
| **Form of studies** | X full-time part-time |
| **Year of studies**  | **III** | **Semester:** | X winterX summer  |
| **Type of course** | X obligatory |
| **Language of study**  |  Polish X English |
| **Number of hours** |
| Form of education |
|  | Lectures (L) | Seminars (SE) | Auditorium classes (AC) | Major Classes – not clinical (MC) | Clinical Classes (CC) | Laboratory Classes (LC) | Classes in Simulated Conditions (CSC) | Practical Classes with Patient (PCP) | Foreign language Course (FLC) | Physical Education (PE) | Vocational Practice (VP) | Directed Self-Study (DSS) | E-learning (EL) |
| **Winter semester: 14h lectures, 45h clinical classes** |
| 1st Department of Paediatrics, Allergology and Cardiology |
| Direct (contact) education[[1]](#footnote-1) |  |  |  |  | **45** |  |  |  |  |  |  |  |  |
| Distance learning[[2]](#footnote-2) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2nd Department of Paediatrics, Gastroenterologyand Nutrition |
| Direct (contact) education[[3]](#footnote-3) |  |  |  |  | **45** |  |  |  |  |  |  |  |  |
| Distance learning[[4]](#footnote-4) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3rd Department of Paediatrics, Immunology and Rheumatology |
| Direct (contact) education[[5]](#footnote-5) |  |  |  |  | **45** |  |  |  |  |  |  |  |  |
| Distance learning[[6]](#footnote-6) | **14** |  |  |  |  |  |  |  |  |  |  |  |  |
| Department of Paediatric Endocrinology and Diabetology |
| Direct (contact) education[[7]](#footnote-7) |  |  |  |  | **45** |  |  |  |  |  |  |  |  |
| Distance learning[[8]](#footnote-8) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Department of Paediatric Bone Marrow Transplantation, Oncology and Haematology |
| Direct (contact) education[[9]](#footnote-9) |  |  |  |  | **45** |  |  |  |  |  |  |  |  |
| Distance learning[[10]](#footnote-10) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Department of Paediatric Nephrology |
| Direct (contact) education[[11]](#footnote-11) |  |  |  |  | **45** |  |  |  |  |  |  |  |  |
| Distance learning[[12]](#footnote-12) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Summer semester: 14h lectures, 27h clinical classes** |
| 1st Department of Paediatrics, Allergology and Cardiology |
| Direct (contact) education |  |  |  |  | **21** |  |  |  |  |  |  |  |  |
| Distance learning |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2nd Department of Paediatrics, Gastroenterologyand Nutrition |
| Direct (contact) education |  |  |  |  | **21** |  |  |  |  |  |  |  |  |
| Distance learning |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3rd Department of Paediatrics, Immunology and Rheumatology |
| Direct (contact) education |  |  |  |  | **21** |  |  |  |  |  |  |  |  |
| Distance learning | **12** |  |  |  |  |  |  |  |  |  |  |  |  |
| Department of Paediatric Endocrinology and Diabetology |
| Direct (contact) education |  |  |  |  | **21** |  |  |  |  |  |  |  |  |
| Distance learning |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Department of Paediatric Bone Marrow Transplantation, Oncology and Haematology |
| Direct (contact) education |  |  |  |  | **21** |  |  |  |  |  |  |  |  |
| Distance learning |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Department of Paediatric Nephrology |
| Direct (contact) education |  |  |  |  | **21** |  |  |  |  |  |  |  |  |
| Distance learning |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Department of Neonatology** |
| Direct (contact) education |  |  |  |  | **6** |  |  |  |  |  |  |  |  |
| Distance learning | **2** |  |  |  |  |  |  |  |  |  |  |  |  |
| **TOTAL per year:** |
| **All clinics jointly in the summer and winter semester** |
| Direct (contact) education |  |  |  |  | **72** |  |  |  |  |  |  |  |  |
| Distance learning | **28** |  |  |  |  |  |  |  |  |  |  |  |  |
| **Educational objectives** (max. 6 items)**C1. Developing skills to carry out subjective and objective examination of the child in terms of individual systems and organs.** **C2. Familiarize students with the semiotics from individual organs and systems and the development of awareness of the distinct morphological and physiological organs and systems of individual patients in developmental age.****C3. To acquaint students with the principles of rational nutrition of healthy and sick children.** **C4. Education students' ability to take preventive measures in selected disease states and the implementation of immunization and passive immunoprophylaxis. Prevention of iron deficiency, Vit. D and K.****C5. Familiarizing students with the proper psychomotor and mental development in children in particular developmental periods and with abnormalities in this area (behavioral disorders).****C6. Development social competences needed to practice the medical profession, in accordance with graduate’s profile.** |
| **Education result for course in relation to verification methods of the intended education result and the type of class:** |
| Number of detailed education result | Student who completes the course knows/is able to | Methods of verification of intended education results | Form of didactic class*\*enter the abbreviation* |
| E.W2. | the principles of nutrition for healthy and sick children, including natural feeding, immunisation and keeping a child's health record; | Oral answer | L, CC |
| E.W3. | the causes, symptoms, principles of diagnosis and therapeutic management of the diseases that are most frequent in children:1) rickets, tetany, convulsions,2) heart defects, myocarditis, endocarditis and pericarditis, cardiomyopathy, cardiac arrhythmias, heart failure, hypertension, vaso-vagal episodes,3) acute and chronic diseases of the upper and lower respiratory tract, congenital malformations of the respiratory system, tuberculosis, cystic fibrosis, asthma, allergic rhinitis, urticaria, anaphylactic shock, angioedema,4) anaemias, haemorrhagic diathesis, bone marrow failure, childhood cancers, including solid tumours typical of childhood,5) acute and chronic abdominal pain, vomiting, diarrhoea, constipation, gastrointestinal bleeding, peptic ulcer disease, inflammatory bowel diseases, pancreatic diseases, cholestasis and liver diseases and other acquired diseases and congenital defects of the gastrointestinal tract,6) urinary tract infections, congenital defects of the urinary tract, nephrotic syndrome, kidney stones, acute and chronic renal failure, acute and chronic nephritis, systemic kidney diseases, urinary disorders, vesicoureteral reflux disease,7) growth disorders, thyroid and parathyroid diseases, adrenal diseases, diabetes, obesity, puberty and gonadal function disorders,8) cerebral palsy, encephalitis and meningitis, epilepsy,9) the most common childhood infectious diseases,10) genetic syndromes,11) connective tissue diseases, rheumatic fever, juvenile arthritis, systemic lupus, dermatomyositis; | Oral answer | L, CC |
| E.W4. | the issues of abused children including sexual abuse, mental retardation and behavioural disorders - psychoses, addictions, eating and excretion disorders in children; | Oral answer | L, CC |
| E.W6.  | the most common life-threatening conditions in children and the management of these conditions; | Oral answer | L, CC |
| E.U2. | carry out a medical interview with a child and its family; | Assessment of practical skills | CC |
| E.U4. | conduct a physical examination on a child of any age; | Assessment of practical skills | CC |
| E.U6. | conduct an orientation hearing and visual field examination as well as an otoscopic examination; | Assessment of practical skills, oral answer | CC |
| E.U7. | assess the general condition, state of consciousness and awareness of the patient; | Assessment of practical skills, oral answer | CC |
| E.U8. | assess the neonate's Apgar score and maturity and examine neonatal reflexes;  | Assessment of practical skills, oral answer | CC |
| E.U9. | match anthropometric and blood pressure measurements with data on centile grids; | Assessment of practical skills, oral answer | CC |
| E.U10. | assess the stage of sexual maturation;  | Oral answer | CC |
| E.U11. | conduct a balance study; | Assessment of practical skills, oral answer | CC |
| E.U13. | assess and describe the somatic and psychological state of the patient; | Oral answer | L, CC |
| E.U14. | recognise immediate life-threatening conditions; | Oral answer | L, CC |
| E.U24. | interpret laboratory test results and identify causes of deviations from the norm; | Oral answer | CC |
| E.U27. | qualify the patient for vaccination; | Assessment of practical skills, oral answer | L, CC |
| E.U29. | perform basic medical procedures and treatments including:1) measurement of body temperature (surface and deep), heart rate measurement, non-invasive blood pressure measurement,2) monitoring of vital signs with a cardiomonitor, pulse oximetry,3) spirometric examination, oxygen treatment, support and mechanical ventilation,4) inserting an oropharyngeal tube,5) intravenous, intramuscular and subcutaneous injections, peripheral venous cannulation, collection of peripheral venous blood, collection of blood for culture, collection of arterial blood, collection of arterialised capillary blood,6) taking nasal, throat and skin swabs,7) bladder catheterisation in women and men, gastric probing, gastric lavage, enema,8) standard resting electrocardiogram with interpretation, electrical cardioversion and cardiac defibrillation,9) simple strip tests and blood glucose measurement; | Assessment of practical skills, oral answer | L, CC |
| \* L- lecture; SE- seminar; AC- auditorium classes; MC- major classes (non-clinical); CC- clinical classes; LC- laboratory classes; CSC- classes in simulated conditions; PCP- practical classes with patient; FLC- foreign language course; PE- physical education; VP- vocational practice; DSS- directed self-study; EL- E-learning  |
| **Student's amount of work (balance of ECTS points):** |
| **Student's workload** (class participation, activity, preparation, etc.) | **Student Workload** |
| 1. Number of hours of direct contact: | 72 |
| 2. Number of hours of distance learning: | 28 |
| 3. Number of hours of student's own work: | 85,2 |
| 4. Number of hours of directed self-study | n/a |
| Total student's workload | 185,2 |
| **ECTS points for course** | **6,5** |
| **Content of classes:** (please enter topic words of specific classes divided into their didactic form and remember how it is translated to intended educational effects) |
| **Lectures** **Winter semester: 7 weeks, 14 hours, Microsoft Teams**1-2. Goals and tasks of pediatrics. Basic information on the history of pediatrics, general principles of the organization of pediatric health care. The influence of the environment on the child's development. Medical interview.3-4. Physical examination and general semiotics. Assessment of general condition and body structure. Nutritional assessment. Skin examination.5-6. Physical examination and general semiotics. Examination of the lymph nodes. Head examination.7-8. Physical examination and general semiotics. Skeletal and muscular system. Morphological and functional differences. Posture defects. Chest. Defining boundaries and auscultation of the lungs and heart.9-10. Physical examination and general semiotics. Abdominal cavity. Genitourinary organs. The nervous system.11-12. Developmental periods: The period of intrauterine life. Factors influencing the development of the fetus. The infancy period.13-14. Physical and mental development in the developmental age (the period of a small child, preschool and school period, puberty). Methods of controlling physical and mental development. Mother and child care system, including the perinatal period.**Summer semester: 7 weeks, 14 hours, Microsoft Teams**1-2. Principles of nutrition of infants and young children, older children. Eating disorders: obesity, anorexia, bulimia.3-4. Indications and contraindications for vaccinations, types of vaccines. Active and passive immunization. Implementation of the obligatory vaccination calendar5-6. Selected issues of prevention: rickets, vitamin D deficiency, vitamin K deficiency, posture defects, serological conflict.7-8. Semiotics. Life-threatening conditions in paediatrics. 9-10. Laboratory tests and their importance. Hospital infections.11-12. Social Medicine: The Problem of Domestic Violence. Abused Child Syndrome. Possibilities of helping the family. Addictions in developmental age. FAS - fetal alcohol syndrome. Care for a chronically ill child. Analgesia in pediatrics. Hospice care.13-14. Subject and physical examination in neonatology. |
| **Seminars – n/a** |
| **Classes****Winter semester: 15 weeks, 45 hours, direct contact****1st Department of Paediatrics, Allergology and Cardiology****2nd Department of Paediatrics, Gastroenterologyand Nutrition****3rd Department of Paediatrics, Immunology and Rheumatology****Department of Paediatric Endocrinology and Diabetology****Department of Paediatric Bone Marrow Transplantation, Oncology and Haematology****Department of Paediatric Nephrology**1.Documentation in paediatrics - Children's Health Book, medical history, fever card, protection of personal data in the light of applicable regulationsOrganization and functioning of the neonatal and general pediatric ward.2. Medical history. Personal and physical examination. General condition assessment. Assessment of consciousness (Glasgow scale), evaluation of verbal-logical contact.3. ABC of physical examination in paediatrics (Classes are held at the Medical Simulation Center).4. Examination of the skin and its appendages. Examination of peripheral lymph nodes. Semiotics of the most common diseases manifested by skin lesions and enlargement of lymph nodes in children.5. Examination of the lymph nodes. Lymphadenopathies.6. Examination of the head. Assessment of the size and shape (the concepts of microcephaly and large head). Assessment of fontanel size. Eye examination. Oral and nasopharyngeal assessment. Semiotics of ear, nose and mouth diseases. The development of the dentition. Neck examination, thyroid gland. Hair - types (baby, child, male and female).7. Examination of the musculoskeletal system. Skeletal system: the most common abnormalities in the structure of the spine (lordosis, kyphosis, scoliosis) and the chest and lower limbs (valgus, varus, limb abbreviation). Posture Assessment. Disadvantages in terms of feet. Posture defects in children. Assessment of active and passive mobility of joints. Examination of the hip joints. Assessment of the muscular system (muscle tension and strength).8. Chest. Physical examination of the chest: viewing, percussion, auscultation of the lungs, determining the boundaries of the lungs. Semiotics of the most common disorders of the respiratory system: cough, dyspnoea, cyanosis.9. Examination of the circulatory system; auscultation of heart tones and tapping of the heart's borders. Measurement of blood pressure and heart rate. Interpretation of the results. Semiotics of the most common circulatory system disorders. Physiological differences of the circulatory system in developmental age.10. Principles of a detailed examination of the abdominal cavity and the genitourinary system in children. Developmental differences of the genitourinary system. Assessment of the liver and spleen. Peritoneal symptoms. Semiotics of abdominal diseases in children: abdominal pain (acute, chronic), vomiting, diarrhea, constipation, free fluid in the peritoneal cavity, enlargement of the parenchymal organs. Peculiarities of kidney diseases in children. Interpretation of the basic results of laboratory tests.11. Neurological examination, evaluation of cranial nerves, meningeal symptoms. Symptoms of increased intracranial pressure. Principles of examining deep (tendon) physiological reflexes. Semiotics of nervous system diseases.12. Development: The period of intrauterine life. Factors influencing the development of the fetus. The infancy period. Baby reflexes.13. Preschool and school age child. Assessment of growth and development norms. Using percentile grids. Accurate assessment of anomalies in physical development in subsequent stages of life.14. Natural and artificial nutrition of infants. Basic differences in the composition of human and cow's milk. Breastfeeding contraindications. Nutrition of younger and older children. Elimination diets. Food preparation rules.15. Independent interview collection and physical examination. Develop status praesens (trial version).**Summer semester: 9 weeks, 27 hours, direct contact****Department of Neonatology**1. Assessment of the general condition of the newborn (Apgar scale), methods of assessing the degree of maturity. Term-born baby - physiology. Adaptation of the newborn to the ectopic life. Baby reflexes.2. Pathology of the newborn: preterm newborn; too small for fetal age; too big for fetal age; from multiple pregnancy. Perinatal injuries. Newborn screening.**1st Department of Paediatrics, Allergology and Cardiology****2nd Department of Paediatrics, Gastroenterologyand Nutrition****3rd Department of Paediatrics, Immunology and Rheumatology****Department of Paediatric Endocrinology and Diabetology****Department of Paediatric Bone Marrow Transplantation, Oncology and Haematology****Department of Paediatric Nephrology**3. Protective vaccinations. Types of vaccines and the manner of carrying out individual vaccines. The current vaccination schedule. Indications and contraindications for vaccinations. Post-vaccination complications. Post-vaccination reporting. Vaccination documentation.4. Prevention in children (rickets, supplementation with vitamin D3, vitamin K, posture defects). Nosocomial infections. Basic principles of their prevention. Epidemiological recommendations in the context of healthcare due to the SARS-Cov-2 virus pandemic.5. Natural and artificial nutrition of babies. Basic differences in the composition of human and cow's milk. Breastfeeding contraindications. Nutrition of younger and older children. Elimination diets. Food preparation rules.6. Nursing treatments for an infant and a small child. Bathing, toilet, moisturizing the skin, preventing overheating and cooling the body.7. Basic medical procedures and treatments, including: body temperature measurement (superficial and deep), pulse measurement, non-invasive blood pressure measurement, monitoring of vital signs using a cardiac monitor, pulse oximetry. Interpretation of the results of basic laboratory tests.8. Independent interview collection and physical examination. Trial status overview. Development of status praesens (evaluation version).9. Summarizing and consolidating material from the whole year. Questions and answers on the physical examination, interview, and topics discussed. Completion of classes based on theoretical and practical knowledge. |
| **Other – n/a**  |
| **Basic literature** (list according to importance, no more than 3 items)1. Tom Lissauer Will Carroll, Illustrated Textbook of Paediatrics, 5th Edition, 2017, Elsevier2. Nelson. Textboook of Pediatrics. 20 edition. Robert M. Kliegman, Bonita F. Stanton, Josepf W. St. Game, Nina F. Schor, Canada, Elsevier, 2016**Additional literature and other materials** (no more than 3 items)1. Red Book 2018-2021. Committee on Infectious Diseases; American Academy of Pediatrics; David W. Kimberlin, MD, FAAP, Michael T. Brady, MD, FAAP and Mary Ann Jackson, MD, FAAP2. Materials presented at classes, seminars and lectures |
| **Preliminary conditions:** (minimum requirements to be met by the student before starting the course)1. The condition for passing the exercises carried out by a given unit is obtaining a positive result from the test assessing the student's preparation for the given exercises (the entrance test consists of five questions regarding the issues covered by the given exercises and / or knowledge of the principles of physical examination, you should answer correctly to at least three questions.2. Having appropriate clothes and shoes, a stethoscope, a flashlight for examining the throat.3. Knowledge of the rules of conduct in the conditions of the COVID-19 pandemic |
| **Conditions to receive credit for the course:** (specify the form and conditions of receiving credit for classes included in the course, admission terms to final theoretical or practical examination, its form and requirements to be met by the student to pass it and criteria for specific grades). **Conditions for completing the classes:**Presence at all classes. Each absence must be made up for (including rector's days and dean's hours).Acquiring knowledge to a satisfactory level (at least 60% of positive answers to the questions asked from the methodology of subjective and subject research in the form of partial tests and passing practical skills based on a self-written physical examination (Status preasens)**Rules for admission to the exam:**Passing the classes.Form of the exam:Final exam in the form of a test. Required to answer correctly to at least 60% of the questions asked.Assessment criteria below. |
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| **Grade:** | **Assessment criteria for passing the course** |
| Very Good (5.0) | Correct answer to over 92% of the questions asked, very good knowledge of the methodology of subjective and objective examination, full knowledge of the symptomatology of the issues discussed during the course |
| Good Above (4.5) | Correct answer to 84-91% of the questions asked, almost complete mastery of the methodology of subjective and objective examination, good knowledge of the symptomatology of the issues discussed during classes |
| Good (4.0) | Correct answer to 76-83% of the questions asked, good knowledge of the methodology of subjective and objective examination, good knowledge of the symptomatology of the issues discussed during classes |
| Satisfactory Plus (3.5) | Correct answer to 68-75% of the questions asked, mastering the methodology of subjective and objective examination, knowledge of the symptomatology of the issues discussed during classes |
| Satisfactory (3.0) | Correct answer to more than 60% of the questions asked, sufficient knowledge of the methodology of subjective and objective examination, sufficient knowledge of the symptomatology of the issues discussed during the course |
|  |  |
| **Credit** | **Assessment criteria for passing the exam:** |
| Very Good (5.0) | Correct answer to 92-100% of the questions asked |
| Good Above (4.5) | Correct answer to 84-91% of the questions asked |
| Good (4.0) | Correct answer to 76-83% of the questions asked |
| Satisfactory Plus (3.5) | Correct answer to 68-75% of the questions asked |
| Satisfactory (3.0) | Correct answer to 60-67% of the questions asked  |
|  |  |
| **Department in charge of the course:** | **3rd Department of Paediatrics, Immunology and Rheumatology** |
| **Department address:** | **51-149 Wrocław, 5 Koszarowa Street, Pediatric Building, entrance from Sportowa Street** |
| **Telephone:** | Clinic office: Tel / Fax. 71 372 74 63, 71 392 53 53,Pediatric ward: Tel / Fax. 71 392 53 96 |
| **E-Mail:** | Clinic office: **maria.szczerbowicz@umed.wroc.pl**aleksandra.lewandowicz-uszynska@umed.wroc.plgerard.pasternak@umed.wroc.pl |
|  |  |
| **Person in charge for the course:** | **Aleksandra Lewandowicz-Uszyńska MD, PhD** |
| **Telephone:** | Tel. 71 37 27 463, 71 39 25 353 |
| **E-Mail:** | aleksandra.lewandowicz-uszynska@umed.wroc.pl  |
| **List of persons conducting specific classes:** |
| Name and surname | Degree/scientific or professional title | Discipline | Performed profession | Form of classes |
| **1st Department of Paediatrics, Allergology and Cardiology** |
| Ewa Willak-Janc | PhD MD | medicine | Pediatrician, allergist | CC |
| Anna Dębińska | PhD MD | medicine | Pediatrician, pulmonologist | CC |
| Kamil Bar | MD | medicine | In the course of specialization in pediatrics | CC |
| Hanna Sikorska- Szaflik | MD | medicine | In the course of specialization in pediatrics | CC |
| Anna Skiba | MD | medicine | In the course of specialization in pediatrics | CC |
| Joanna Szyszka | MD | medicine | In the course of specialization in pediatrics | CC |
| Marcin Galica | MD | medicine | In the course of specialization in pediatrics | CC |
| Piotr Werner | MD | medicine | In the course of specialization in pediatrics | CC |
| **3rd Department of Paediatrics, Immunology and Rheumatology** |
| Agnieszka Latawiec-Komaiszko | MD. | medicine | Pediatrician | L, CC |
| Magdalena Prościak | PhD MD | medicine | Pediatrician | L, CC |
| Gerard Pasternak | PhD MD | medicine | Pediatrician, after the course of specialization in clinical immunology | L, CC |
| Karolina Pieniawska-Śmiech | MD | medicine | In the course of specialization in pediatrics | L, CC |
| Mateusz Walkowiak | MD | medicine | In the course of specialization in pediatrics | L, CC |
| Wioletta Setkowicz | MD | medicine | In the course of specialization in pediatrics | CC |
| Paulina Jasińska | MD | medicine | In the course of specialization in pediatrics | CC |
| **Department of Paediatric Bone Marrow Transplantation, Oncology and Haematology** |
| Alicja Chybicka | Prof. PhD MD | medicine | Pediatrician, hematologist  | CC |
| Bernarda Kazanowska | Prof. PhD MD | medicine | Pediatrician, hematologist  | CC |
| Ewa Gorczyńska | Prof. PhD MD | medicine | Pediatrician, hematologist  | CC |
| Krzysztof Kałwak | Prof. PhD MD | medicine | Pediatrician, hematologist  | CC |
| Grażyna Wróbel | Prof. PhD MD | medicine | Pediatrician, hematologist  | CC |
| Marek Ussowicz | Prof. PhD MD | medicine | Pediatrician, hematologist  | CC |
| Jadwiga Węcławek -Tompol | PhD MD | medicine | Pediatrician, hematologist  | CC |
| Grzegorz Dobaczewki | PhD MD | medicine | Pediatrician, hematologist  | CC |
| Elżbieta Latos - Grażyńska | PhD MD | medicine | Pediatrician, hematologist  | CC |
| Dorota Sęga-Pondel | PhD MD | medicine | Pediatrician, hematologist  | CC |
| Małgorzata Salamonowicz-Bodzioch | PhD MD | medicine | Pediatrician, hematologist  | CC |
| Justyna Kwaśnicka | MD | medicine | Pediatrician, hematologist  | CC |
| Jowita Frączkiewicz | PhD MD | medicine | Pediatrician | CC |
| Elżbieta Wawrzyniak-Dzierżek | MD  | medicine | doctor | CC |
| Igor Olejnik | PhD MD | medicine | Pediatrician, hematologist | CC |
| Tomasz Jarmoliński | PhD MD | medicine | Pediatrician, hematologist | CC |
| Katarzyna Gul | MD  | medicine | Pediatrician, clinical immunologist | CC |
| Michalina Horochowska | MD  | medicine | doctor | CC |
| Justyna Miśkiewicz-Bujna | MD  | medicine | doctor | CC |
| Izabela Miśkiewicz-Migoń | MD  | medicine | doctor | CC |
| Monika Rosa | MD  | medicine | doctor | CC |
| Agnieszka Kwella | MD  | medicine | doctor | CC |
| Dawid Przystupski | MD  | medicine | doctor | CC |
| Paweł Marschollek | MD  | medicine | doctor | CC |
| **Department of Paediatric Nephrology** |
| Katarzyna Kiliś-Pstrusińska | Prof. PhD MD | medicine | Pediatrician | CC |
| Irena Makulska | Prof. PhD MD | medicine | Pediatrician | CC |
| Dorota Polak-Jonkisz | Prof. PhD MD | medicine | Pediatrician | CC |
| Kinga Musiał | dr hab. | medicine | Pediatrician | CC |
| Anna Medyńska | PhD MD | medicine | Pediatrician | CC |
| Irena Wikiera-Magott | PhD MD | medicine | Pediatrician | CC |
| Anna Jakubowska | PhD MD | medicine | Pediatrician | CC |
| Agnieszka-Pukajło-Marczyk | PhD MD | medicine | Pediatrician | CC |
| Konstancja Fornalczyk | PhD MD | medicine | Pediatrician | CC |
| Agnieszka Bargenda- Lange | PhD MD | medicine | Pediatrician | CC |
| Katarzyna Prościak | MD | medicine | In the course of specialization in pediatrics | CC |
| Monika Storek | MD | medicine | In the course of specialization in pediatrics | CC |
| Katarzyna Kwiatkowska | MD | medicine |  | CC |
| **2nd Department of Paediatrics, Gastroenterologyand Nutrition** |
| Andrzej Stawarski | PhD MD | medicine | Pediatrician, gastroenterologist  | CC |
| Krystyna Mowszet | PhD MD | medicine | Pediatrician, gastroenterologist  | CC |
| Tomasz Pytrus | PhD MD | medicine | Pediatrician, gastroenterologist  | CC |
| Elżbieta Krzesiek | PhD MD | medicine | Pediatrician, gastroenterologist  | CC |
| Anna Kofla - Dłubacz | PhD MD | medicine | Pediatrician, gastroenterologist  | CC |
| Agnieszka Borys-Iwanicka | PhD MD | medicine | Pediatrician, gastroenterologist  | CC |
| Katarzyna Akutko | PhD MD | medicine | Pediatrician, gastroenterologist  | CC |
| Tatiana Jamer | PhD MD | medicine | Pediatrician, gastroenterologist  | CC |
| Joanna Braksator | MD  | medicine | Pediatrician, gastroenterologist  | CC |
| Anna Dancewicz | MD  | medicine | In the course of specialization in pediatrics | CC |
| Natalia Olszak | MD  | medicine | In the course of specialization in pediatrics | CC |
| Iga Stankiewicz | MD  | medicine | In the course of specialization in pediatrics | CC |
| Paulina Kuchalska | MD  | medicine | In the course of specialization in pediatrics | CC |
| Paula Grębska | MD  | medicine | In the course of specialization in pediatrics | CC |
| Alicja Kućma | MD  | medicine | In the course of specialization in pediatrics | CC |
| Bartłomiej Śmieszniak | MD  | medicine | In the course of specialization in pediatrics | CC |
| Karolina Sakowicz | MD  | medicine | In the course of specialization in pediatrics | CC |
| **Department of Neonatology** |
| Barbara Królak- Olejnik | Prof. PhD MD | medicine | Pediatrician, neonatologist | L, CC |
| Dorota Paluszyńska | PhD MD | medicine | Pediatrician, neonatologist | CC |
| Monika Lachowska | PhD MD | medicine | Pediatrician, neonatologist | CC |
| Agnieszka Szafrańska | PhD MD | medicine | Pediatrician, neonatologist | CC |
| Dorota Lisowska- Mikołajków | PhD MD | medicine | Pediatrician, neonatologist | CC |
| Anna Szczygieł | PhD MD | medicine | Pediatrician, neonatologist | CC |
| Agnieszka Jalowska | MD  | medicine | Pediatrician, neonatologist | CC |
| Izabela Lehman | MD  | medicine | In the course of specialization in neonatology | CC |
| Agata Więckowska | MD  | medicine | In the course of specialization in neonatology | CC |
| Karolina Karcz | MD  | medicine | In the course of specialization in neonatology | CC |
| **Date of Syllabus development Syllabus developed by** **28-06-2021 Gerard Pasternak MD, PhD**  **Signature of Head(s) of teaching unit(s)**  **………………………………………………………**  **Dean’s signature****……………....…………………………** |
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1. Education conducted with direct participation of university teachers or other academics [↑](#footnote-ref-1)
2. Education with applied methods and techniques for distance learning [↑](#footnote-ref-2)
3. Education conducted with direct participation of university teachers or other academics [↑](#footnote-ref-3)
4. Education with applied methods and techniques for distance learning [↑](#footnote-ref-4)
5. Education conducted with direct participation of university teachers or other academics [↑](#footnote-ref-5)
6. Education with applied methods and techniques for distance learning [↑](#footnote-ref-6)
7. Education conducted with direct participation of university teachers or other academics [↑](#footnote-ref-7)
8. Education with applied methods and techniques for distance learning [↑](#footnote-ref-8)
9. Education conducted with direct participation of university teachers or other academics [↑](#footnote-ref-9)
10. Education with applied methods and techniques for distance learning [↑](#footnote-ref-10)
11. Education conducted with direct participation of university teachers or other academics [↑](#footnote-ref-11)
12. Education with applied methods and techniques for distance learning [↑](#footnote-ref-12)