



Department and Clinic of Pediatric Nephrology					5												
TOTAL per summer semester:																	
						14											30
Educational objectives (max. 6 items) C1. Ability to conduct subjective and objective examination of the child. C2. Knowledge of the morphological and physiological distinctiveness of individual organs and systems of age development. C3. The principles of rational nutrition for healthy and sick children. C4. Preventive actions in selected diseases. Active and passive immunoprophylaxis in children and adolescents. Prevention deficiency Vit. D. C5. Semiotics of individual organs and systems in developmental age. C6. Abnormalities of psycho mental - behavioral disorders. Elements of social pediatrics. Childcare school.																	
Education result matrix for module/course in relation to verification methods of the intended education result and the type of class																	
Number of course education result	Number of major education result	Student who completes the module/course knows/is able to				Methods of verification of intended education results (forming and summarising)				Form of didactic class <i>**enter the abbreviation</i>							
W 01	E.W2	The student - knows the principles of nutrition for healthy and sick children, immunization and conduct health check of the child;				Oral answer, test, presentation				L, CC							
W 02	E.W3	knows and understands the causes, symptoms, principles of diagnosis and therapeutic management for the most common diseases of children: a) rickets, tetany, convulsions, b) heart defects, myocarditis, endocarditis and pericarditis, cardiomyopathy, arrhythmias, and heart failure, hypertension, syncope, knows and understands the causes, symptoms, principles of diagnosis and therapeutic management for the most common diseases of children: a) rickets, tetany, convulsions, b) heart defects, myocarditis, endocarditis and pericarditis, cardiomyopathy, arrhythmias, and heart failure, hypertension, syncope,				Oral answer, test, presentation				L, CC							



W 3	E.W4	- An understanding: battered child sexual abuse, mental retardation, behavioral disorders: psychosis, addiction, eating disorders and excretion in children;		L, CC
W 4	E.W6	- Knows the most common life-threatening in children, and the rules of conduct in these states		L, CC
U 01		The student - carries out medical history of the child and his family	Oral answer, test, presentation	L, CC
U 02	E.U4	performs a physical examination of the child at any age	Oral answer, test, presentation	L, CC
U 03	E.U6	- Carry out a hearing test indicative and field of vision and otoscopic examination ;	Oral answer, test, presentation	CC
U 04	E.U7	- Evaluates the general state of consciousness and awareness of the patient;	Oral answer, test, presentation	L, CC
U 05	E.U8	-estimates neonatal Apgar and assesses its maturity , examine neonatal reflexes ;	Oral answer, test, presentation	L, CC
U 06	E.U9	- Summarizes the anthropometric measurements and blood pressure data on grids percentile;	Oral answer, test, presentation	CC
U 07	E.U10	-assesses the progress of puberty;	Oral answer, test, presentation	L, CC
U 08	E.U11	researches balance sheet;	Oral answer, test, presentation	CC
U 09	E.U13	assesses and describes somatic and mental state of the patient:	Oral answer, test, presentation	L, CC
U 10	E.U14	states recognize the immediate danger of life;	Oral answer, test, presentation	L, CC
U 11	E.U24	- Interpret laboratory tests identify the reasons for deviations;	Oral answer, test, presentation	L, CC
U 12	E.U27	- Qualifies the patient for vaccination;	Oral answer, test, presentation	L, CC
U 13	E.U29a	-performs basic medical procedures and treatments, including a) measurement of body temperature, pulse measurement, non-invasive blood pressure measurement.	Oral answer, test, presentation	CC

** L - lecture; SE - seminar; AC – auditorium classes; MC – major classes (non-clinical); CC – clinical classes; LC – laboratory classes;



SCM – specialist classes (magister studies); CSC – classes in simulated conditions; FLC – foreign language course; PCP practical classes with patient; PE – physical education (obligatory); VP – vocational practice; SS – self-study, EL – E-learning .

Please mark on scale 1-5 how the above effects place your classes in the following categories:
communication of knowledge, skills or forming attitudes:

Knowledge: 5

Skills: 4

Student's amount of work (balance of ECTS points)

Student's workload (class participation, activity, preparation, etc.)	Student Workload (h)
1. Contact hours:	103
2. Student's own work (self-study):	37,5
Total student's workload	140,5
ECTS points for module/course	5,0
Comments	

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

- 1.Objectives and tasks pediatrics. Basic knowledge of the history of pediatrics, general principles of organization of pediatric health care. Environmental influences on child development.
- 2.Physical examination and general semiotics.
- 3.Evaluation of general condition. Physique.
- 4.Assessment of nutritional status. Examination of the skin.
- 5.Physical examination and general semiotics. Skeleton and muscular. Differences in morphological and functional.
- 6.Faulty postures.
- 7.Study of lymph nodes, headache, Neck.
- 8.Physical examination and general semiotics. Chest.
9. Determination of the boundaries and auscultation of the lungs and heart.
- 10.Physical examination and general semiotics. Abdominal cavity. Genitourinary organs. The nervous system.
- 11.Periods of development. The period of intrauterine life. Factors affecting the development of the fetus.
- 12.Neonatal period. Prematurity and other disorders intrauterine development.
- 13.The periods of development. Period baby, toddler, preschool and school period.
- 14.Puberty. Rating child's development. Selected topics in genetics.

Summer semester

- 1.The development of individual organs/systems: circulatory, respiratory, nervous, digestive, endocrine, immune.



2. Physician and mental development. Methods control the physical development and mental health.
3. Selected issues of prevention of diseases of childhood; Indications and contraindications to vaccination.
4. Active and passive immunization.
5. Selected aspects of prevention of diseases of childhood. Serological conflict.
6. Prevention of rickets, bad posture.
7. Hygiene and care of newborns, infants and children.
8. The principles of nutrition in different age groups.
9. Semiotics.
10. Life-threatening conditions in paediatrics.
11. Laboratory tests and their importance.
12. Nosocomial infections. Basic issues relating to the immune system.
13. The battered child. The problem of domestic violence.
14. Addictions in childhood.

Practical classes

Winter semester

1. Documentation in pediatrics - history of the disease, febrile card. Characteristics of the branch infancy and general-pediatric.
2. Assessment of development. The measurements of head circumference, chest, body length. Skin, subcutaneous tissue, peripheral lymph nodes.
3. Evaluation of the oral cavity and nasopharynx. Semiotics oral cavity. The development of teeth. The study organs of the neck, the thyroid gland.
4. Chest: study watching, percussion, auscultation. Semiotics of the most common disorders of the respirato.
5. Physiological cardiovascular distinct developmental age. Cardiovascular examination, interpretation of results. ry system: cough, shortness of breath, cyanosis.
6. Abdomen - the study watching. The study percussion, palpation superficial and deep. Rating peristalsis. Examination of the external genitalia.
7. Semiotics abdominal disorders in children: abdominal pain (signs of acute abdomen), vomiting, diarrhea, constipation, free fluid in the peritoneal cavity, solid organ enlargement.
8. Differences of kidney disease in children. The study of the urinary tract, interpretation of results.
9. Skeleton, the most common disorders of the skull and chest. Assessment of fontanelle. Rating belongings active and reactive arthritis. The survey hip joints.
10. The neural development and its disorders. Evaluation of muscle tone. Reflexes and meningeal symptoms and the age of the child.
11. Criteria for assessing the general condition of the child. Assessment of general newborn (Apgar scale), methods to assess the degree of maturity. Newborn donoszony - physiology.
12. Adaptation of the newborn to life pozamacicznego. Screening newborns. Pathology of the newborn: newborn premature too small for gestational age, too large for gestational age, with a multiple pregnancy. Perinatal injuries.
13. Development. Periods of child development: newborn, infant, child small child older - short characteristics.
14. Standards of basic laboratory tests in pediatrics. Interpretation of the most common disorders in the blood cell count, jonogramu, biochemical urine. Summary of topics existing classes.
15. The assessment of physical growth and development (the evaluation of dental development assessmet of height and weicht, head and chest circumference). The practical trafni measurement



compared to the established standards (a percentile method). Assessment students knowledge.
Graduation from semestr.

Summer semester

1. Stand-alone intelligence gathering. Stand-alone physical examination and initial development of the first points praesens status.
2. Stand-alone physical examination and preliminary development status consecutive points praesens.
3. Measurement of blood pressure measurement of the heart rate, the number of breaths. Using the growth chart. Accurate assessment of anomalies of physical development in later life.
4. Nutrition natural and artificial. The main differences in the composition of human milk and cow's milk. Contraindication to breastfeeding.
5. Nutrition infants and older children. Elimination diets. The principles of functioning kitchen milk.
6. Vaccinations. Calendar of vaccination. Contraindication to vaccination. Complications to vaccination. The documentation of vaccination in terms PHC and a specialist clinic.
7. Nosocomial infections. Basic principles to prevent them.
8. Treatments infant and young child. Bath, toilet, moisturizing of the skin, avoid excessive overheating and cooling down the body.
9. Credit for a course based on theoretical knowledge and independent status praesens.
10. Repetition. Practical and theoretical tests.

Basic literature (list according to importance, no more than 3 items)

Pediatric Physical Examination: An Illustrated Handbook .By Karen Duderstadt
Nelson Essentials of Pediatrics, With STUDENT CONSULT Online Access By Karen Marcante, MD, Robert M. Kliegman, MD and Richard E. Behrman, MD
Nelson Textbook of Pediatrics, 19th Edition, By Robert M. Kliegman, MD, Bonita M.D. Stanton, MD, Joseph P. Geme, Nina Schor and Richard E. Behrman. MD

Additional literature and other materials (no more than 3 items)

1. Denis Gill, Niall O'Brien: A clinical trial in children. 2007.

Didactic resources requirements (e.g. laboratory, multimedia projector, other...)

overhead projector, computer, meeting patients

Preliminary conditions (minimum requirements to be met by the student before starting the module/course)

Knowledge of anatomy and physiology at least sufficient, preparation for classes by.
Plan of prescribed textbooks.

Conditions to receive credit for the course (specify the form and conditions of receiving credit for classes included in the module/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)

Attendance at 90% of exercises, mastery of knowledge to the satisfaction

Grade:	Criteria (only for courses/modules ending with an examination)
Very Good (5.0)	Not applicable
Good Plus (4.5)	Not applicable



Good (4.0)	Not applicable
Satisfactory Plus (3.5)	Not applicable
Satisfactory (3.0)	Not applicable

Name and address of module/course teaching unit, contact: telephone and e-mail address

**3rd Department and Clinic of Paediatrics, Immunology and Rheumatology of
Developmental Age**

Secretariat: Szczerbowicz Maria maria.szczerbowicz@umed.wroc.pl

Tel. 71 37 27 463, 71 39 25 353

51-149 Wrocław, ul. Koszarowa 5,

Coordinator / Person responsible for module/course, contact: telephone and e-mail address

Aleksandra Lewandowicz-Uszyńska MD, PhD., a specialist in pediatrics and clinical
immunology, medicine, doctor

aleksandra.lewandowicz-uszynska@umed.wroc.pl

**List of persons conducting specific classes: full name, degree/scientific or professional title,
discipline, performed profession, form of classes.**

**3rd Department and Clinic of Paediatrics, Immunology and Rheumatology of
Developmental Age**

51-149 Wrocław, ul. Koszarowa 5, Tel. 71 37 27 463, 71 39 25 495

Daiva Gorczyca, MD, PhD., A specialist in pediatrics and rheumatology, medicine, doctor, CK,
ED.

Hanna Milewicz, MD, A specialist in pediatrics, medicine, doctor, CK, ED.

Wioletta Setkowicz, MD, medicine, doctor, CK, ED.

1st Department and Clinic of Pediatrics, Allergology and Cardiology

ul. Chałubińskiego 2a, 50-368 Wrocław, Tel. : 71 770 30 91, Fax: 71 328 12 06

Paulina Góra, MD, medicine, doctor, CK, ED.



Anna Jarosiewicz, MD, medicine, doctor, CK, ED.

Joanna Połomska, MD, medicine, doctor, CK, ED.

Hanna Sikorska- Szaflik, MD, medicine, doctor, CK, ED.

2nd Department and Clinic of Paediatrics, Gastroenterology and Nutrition

ul. M. Curie-Skłodowska 50/52, 50-369 Wrocław, Tel. : 71 770 30 45, Fax: 71 770 30 46

Tomasz Pytrus, DDS, Ph.D., Specialist in pediatrics and gastroenterology, medicine, doctor, CK, ED.

Andrzej Stawarski, PhD., MD. Specialist pediatrician, medicine, doctor CK, ED.

Krzysztof Matusiewicz, PhD., MD. Specialist pediatrician, medicine, doctor, CK, ED.

Department and Clinic of Endocrinology and Diabetology for Children and Adolescents:

ul. T. Chałubińskiego 2a, Wrocław 50- 368, Tel. : 71 770 31 17, Fax: 71 328 06 82

Monika Seifert, MD., PhD, medicine, doctor, CK,ED

Joanna Chrzanowska, MD., PhD, medicine, doctor, CK,ED

Department of Pediatric Nephrology:

ul. Borowska 213, 50-556 Wrocław, Tel. : 71 736 44 00, Fax: 71 736 44 09

Kinga Musiał, MD, PhD., A specialist in pediatrics and nephrology, medicine, doctor, CK, CK,ED

Agnieszka Pukajło-Marczyk, A specialist in pediatrics, in the course of specialization in pediatric nephrology, medicine, doctor, CK,ED

Department of Paediatric Bone Marrow Transplantation, Oncology and Haematology:

ul. Borowska 213 (entrance from the street. Weigl), 50-556 Wrocław, Tel. 71/733 27 00

Krzysztof Kałwak, MD, PhD, Prof. A specialist in pediatrics, pediatric oncology and hematology, medicine, doctor, CK, ED

Tomasz Jarmoliński, MD, PhD. A specialist in pediatrics and nephrology, medicine, doctor,



CK, ED

Małgorzata Salamonowicz, PhD, MD, A specialist in pediatrics, pediatric oncology and hematology, medicine, doctor, CK,ED

Małgorzata Janeczko, MD, medicine, doctor, CK, ED

Jowita Frączkiewicz, MD, medicine, doctor, CK, ED

Date of Syllabus development

20.06.2017

Syllabus developed by

Lek. Gerard Pasternak

Uniwersytet Medyczny we Wrocławiu
III KATEDRA I KLINIKA PEDIATRII,
IMMUNOLOGII I REUMATOLOGII
WIEKU ROZWOJOWEGO
adiunkt dydaktyczny

lek. Gerard Pasternak

Signature of Head of teaching unit

Dr n.med. Aleksandra Lewandowicz-Uszyńska

Uniwersytet Medyczny we Wrocławiu
III KATEDRA I KLINIKA PEDIATRII, IMMUNOLOGII
I REUMATOLOGII WIEKU ROZWOJOWEGO
p.o. kierownika

dr. n. med. Aleksandra Lewandowicz-Uszyńska

Signature of Faculty Dean

Wrocław Medical University
FACULTY OF MEDICINE
DEPARTMENT OF PEDIATRICS IN ENGLISH
Prof. Andrzej Hendrich, PhD