### Syllabus 2016-2017

#### Description of the course

<table>
<thead>
<tr>
<th>Module/Course</th>
<th>PAEDIATRICS</th>
<th>Group of detailed education results</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Group code (ex. A)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Group name ex. Morphological Science</td>
</tr>
</tbody>
</table>

**Faculty**
- Medicine

**Major**
- Medicine

**Specialties**
- Not applicable

**Level of studies**
- Uniform magister studies
- 1st degree studies
- 2nd degree studies
- 3rd degree studies X
- Postgraduate studies

**Form of studies**
- X full-time
- □ part-time

**Year of studies**
- III

**Semester**
- X Winter
- X Summer

**Type of course**
- X obligatory

**Course**
- □ limited choice
- □ free choice / elective

**Language of instruction**
- □ Polish
- X English
- □ other

* mark □ with an X

#### Number of hours

**Form of education**

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</tr>
</thead>
<tbody>
<tr>
<td>Winter Semester</td>
<td>14</td>
<td>45</td>
<td></td>
<td></td>
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</tr>
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</table>
### Summer Semester

<table>
<thead>
<tr>
<th>14</th>
<th>30</th>
<th></th>
<th></th>
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</thead>
</table>

**TOTAL per year:**

| 28 | 75 |   |   |   |   |   |   |

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**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.
- Semiotics of individual organs and systems in developmental age.

**Education result matrix for module/course in relation to verification methods of the intended education result and the type of class**

<table>
<thead>
<tr>
<th>Number of course education result</th>
<th>Number of major education result</th>
<th>Student who completes the module/course knows/is able to</th>
<th>Methods of verification of intended education results (forming and summarising)</th>
<th>Form of didactic class</th>
</tr>
</thead>
<tbody>
<tr>
<td>W 01 E.W2</td>
<td></td>
<td>The student - knows the principles of nutrition for healthy and sick children, immunization and conduct health check of the child;</td>
<td>Oral answer, test, presentation</td>
<td>L, CC</td>
</tr>
<tr>
<td>W 02 E.W3</td>
<td></td>
<td>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.</td>
<td>Oral answer, test, presentation</td>
<td>L, CC</td>
</tr>
<tr>
<td>Code</td>
<td>Points</td>
<td>Description</td>
<td></td>
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<tr>
<td>W 3</td>
<td>E.W4</td>
<td>An understanding: battered child sexual abuse, mental retardation, behavioral disorders: psychosis, addiction, eating disorders and excretion in children;</td>
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<tr>
<td>W 4</td>
<td>E.W6</td>
<td>Knows the most common life-threatening in children, and the rules of conduct in these states</td>
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<tr>
<td>U 01</td>
<td>(np. AU1)</td>
<td>The student - carries out medical history of the child and his family</td>
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<tr>
<td>U 02</td>
<td>E.U4</td>
<td>Performs a physical examination of the child at any age</td>
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<tr>
<td>U 03</td>
<td>E.U6</td>
<td>- Carries out a hearing test indicative and field of vision and otoscopic examination;</td>
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<tr>
<td>U 04</td>
<td>E.U7</td>
<td>- Evaluates the general state of consciousness and awareness of the patient;</td>
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<tr>
<td>U 05</td>
<td>E.U8</td>
<td>- Estimates neonatal Apgar and assesses its maturity, examine neonatal reflexes;</td>
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<tr>
<td>U 06</td>
<td>E.U9</td>
<td>- Summarizes the anthropometric measurements and blood pressure data on grids percentile;</td>
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<tr>
<td>U 07</td>
<td>E.U10</td>
<td>- Assesses the progress of puberty;</td>
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<tr>
<td>U 08</td>
<td>E.U11</td>
<td>Researches balance sheet;</td>
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<tr>
<td>U 09</td>
<td>E.U13</td>
<td>Assesses and describes somatic and mental state of the patient:</td>
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<tr>
<td>U 10</td>
<td>E.U14</td>
<td>States recognize the immediate danger of life;</td>
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<tr>
<td>U 11</td>
<td>E.U24</td>
<td>- Interpret laboratory tests identify the reasons for deviations;</td>
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<tr>
<td>U 12</td>
<td>E.U27</td>
<td>- Qualifies the patient for vaccination;</td>
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<tr>
<td>U 13</td>
<td>E.U29a</td>
<td>Performs basic medical procedures and treatments, including a) measurement of body</td>
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</tbody>
</table>
1. Purpose: Identifying children's development, selected topics in genetics.
2. The period of development. Period baby, toddler, preschool, and school period.

Features:

1. Periods of development: The period of infancy, the factors affecting the development of the system.
3. The period of the child, the development of the lungs and heart.


White semester

<table>
<thead>
<tr>
<th>Comments</th>
<th>ECTS points for module/course</th>
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</table>

Total student's workload

1. Course hours:
   - 37.5
   - 103
   - Student's workload
   - (lecture, seminar, practical classes, self-study, etc.)

2. Student's own work (self-study):
   - Class participation, activity, preparation, etc.

3. Student's workload

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

Social competences:

Skills:

Knowledge:

Communication of knowledge, skills, or forming attitudes:

Please mark on scale 1-5 how the above effects please your classes in the following categories:

- Blood pressure measurement:
- Temperature, pulse,
- Laboratory, medical, non-invasive.

UNIVERSITY OF MEDICINE
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.
7. Hygiene and care of newborns, infants and children.
8. The principles of nutrition in different age groups.
10. Life-threatening conditions in paediatrics.
11. Laboratory tests and their importance.

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 respiratory.
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.
9. Skeleton, the most common disorders of the skull and chest. Assessment of fontanelle. Rating belongings active and reactive arthritis. The survey hip joints.
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 assessment of height and weight, head and chest circumference). The practical training 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.
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 Marcedante, MD, Robert M. Kligerman, MD and Richard E. Behrman, MD

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

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

<table>
<thead>
<tr>
<th>Grade</th>
<th>Criteria (only for courses/modules ending with an examination)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Very Good</td>
<td>Not applicable</td>
</tr>
<tr>
<td>(5.0)</td>
<td></td>
</tr>
<tr>
<td>Good Plus</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Grade</td>
<td>Comment</td>
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<tr>
<td>----------------</td>
<td>--------------------------</td>
</tr>
<tr>
<td>Good (4.5)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Satisfactory Plus (3.5)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Satisfactory (3.0)</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

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: Szczepanowicz Maria maria.szczepanowicz@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-Uzyska 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 25 353

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

Katarzyna Gul, MD, A specialist in pediatrics, medicine, doctor, CK, ED.

Magdalena Urbanik, MD, medicine, doctor, CK, ED.

Hanna Milewicz, MD, medicine, doctor, CK, ED.

Karolina Maślanka, 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

Anna Skiba, lek.med., studia doktoranckie, rezydentura ze specjalizacji pediatrii, medycyna, lekarz, CK, ED

2nd Department and Clinic of Paediatrics, Gastroenterology and Nutrition
Tomasz Pytus, DDS, Ph.D., A specialist in pediatrics and gastroenterology, medicine, doctor, CK, ED.

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

Agnieszka Borys-Iwanicka, PhD., MD. Specialist pediatrician, medicine, doctor, CK, ED.

Katarzyna Akutko, lek. med., medycyna, lekarz, CK, ED.

Elżbieta Krzesiek, A specialist in pediatrics and gastroenterology, medicine, doctor, CK, ED.

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

Anna Kofla-Dłubacz, PhD., MD. Specialist pediatrician, medicine, doctor, CK, ED.

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

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Agnieszka Gorło, MD, medicine, doctor, CK, ED

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

Agnieszka Zubkiewicz-Kucharska, MD, A specialist in pediatrics and diabetology, 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, ED

Agnieszka Pukajło-Marczyk, MD, 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. Weiguł), 50-556 Wrocław, Tel. 71/733 27 00

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

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

Jowita Frąckiewicz, MD, medicine, doctor, CK, ED