**description of the course of study**

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| **Course code** | 0912-7LEK-C9.7-C | |
| **Name of the course in** | Polish | Pediatria – praktyka wakacyjna |
| English | Pediatrics – practice during holidays |

1. **LOCATION OF THE COURSE OF STUDY WITHIN THE SYSTEM OF STUDIES**

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| **1.1. Field of study** | Medicine |
| **1.2. Mode of study** | Full-time |
| **1.3. Level of study** | Uniform Master’s studies |
| **1.4. Profile of study\*** | practical |
| **1.5. Person preparing the course description** |  |
| **1.6. Contact** |  |

1. **General characteristicS of the course of study**

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| **2.1. Language of instruction** | English |
| **2.2. Prerequisites\*** | Passing paediatrics classes |

1. **DETAILED CHARACTERISTICS OF THE COURSE OF STUDY**

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| * 1. **Form of classes** | | **Practice:60 hours** |
| * 1. **Place of classes** | | Practical classes |
| * 1. **Form of assessment** | | Credit with grade |
| * 1. **Teaching methods** | | Case study |
| * 1. **Bibliography** | **Required reading** | 1.Ryżko J., Dobrzańska A. (red.) Pediatria. Urban & Partner. Wrocław 2014.  2. Kubicka M., Kawalec W. (red.) Pediatria. Wyd. Lek. PZWL, Warszawa 2008.  3. Krawczyński M.: Propedeutyka Pediatrii. PZWL 2009.  4.Szczapa J. (red.), Podstawy neonatologii, Wydawnictwo Lekarskie PZWL, Warszawa 2008  5.Obuchowicz A. red. Badania podmiotowe i przedmiotowe w pediatrii, wyd. Śląska Akademia Medyczna. |
| **Further reading** | 1.Hellbrugge T.: Pierwsze 365 dni życia. Fundacja na Rzecz Dzieci Niepełnosprawnych Promyk Słońca, Warszawa, 1992.  2.Żywienie dzieci w zdrowiu i chorobie. Wyd. I pod redakcją Mariana Krawczyńskiego. Wyd. HELP MED. Kraków 2008.  3. Endokrynologia i Diabetologia wieku rozwojowego. Noczyńska A.(red). MedPharm. Wyd. I Wrocław 2013. |

1. **Objectives, syllabus CONTENT and intended LEARNING outcomes**

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| * 1. **Course objectives (including form of classes)**   - Mastering the theoretical basis and practical skills in the diagnosis and therapy of pediatric diseases as well as secondary symptoms. Obtaining information about the specifics and distinctiveness of pathophysiology, the clinic of the course of diseases in children and adolescents.  - Mastering the skill of collecting medical history, physical examination of a child.  - Mastering the basics of interpretation of additional tests in children |

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| **Code** | **A student, who passed the course** | **Relation to teaching**  **outcomes** | |
| U01 | conduct a review of medical history of the child and its family; | E.U2. | |
| U02 | conduct physical examination of the child at any age; | E.U4. | |
| U03 | assess patient’s general condition, consciousness and awareness; | E.U7. | |
| U04 | assess the condition of a newborn according to a the Apgar scale and its maturity as well as examine neonatal reflexes; | E.U8. | |
| U05 | make relations between anthropometric measurements and blood pressure with data in growth charts | E.U9. | |
| U06 | assess the stage of puberty | E.U10. | |
| U07 | conduct checkups for children; | E.U11. | |
| U08 | perform differential diagnosis of the most common diseases in adults and children | E.U12. | |
| U09 | assess and describes the somatic and mental state of patients | E.U13. | |
| U10 | recognize states of a direct threat to life; | E.U14. | |
| U11 | recognize when a patient is under the influence of alcohol, drugs and other addictive products; | E.U15. | |
| U12 | plan diagnostic, therapeutic and preventive procedures | E.U16. | |
| U13 | conduct analysis of the potential side effects of each drug and the interaction between them; | E.U17. | |
| U14 | propose individualization of existing guidelines and other therapeutic treatments in the case of non-effectiveness of or contraindications to standard therapy; | E.U18. | |
| U15 | recognize signs of drug dependency and propose a treatment procedure; | E.U19. | |
| U16 | qualify the patient for home treatment and hospitalization; | E.U20. | |
| U17 | recognize states in which functional status of the patient's or his/her preferences restrict the treatment in accordance with specific guidelines for the disease; | E.U21. | |
| U18 | interpret laboratory test results and identify the reasons for deviations; | E.U24. | |
| U19 | apply dietary treatment with the consideration of enteral and parenteral feeding; | E.U25. | |
| U20 | plan treatment in the case of exposure to infection transmitted through blood; | E.U26. | |
| U21 | qualify the patient for vaccination | E.U27. | |
| U22 | collect and secure samples of material used in laboratory diagnostics; | E.U28. | |
| U23 | perform basic medical procedures and treatments, including:  1) measurement of body temperature, pulse measurement, non-invasive blood pressure measurement,  2) monitoring of vital signs using a cardio-monitor or pulse oximetry,  3) spirometry, oxygen therapy, assisted and control mode ventilation  4) introduction of the oropharyngeal tube,  5) intravenous injection , intramuscular and subcutaneous injections, cannulation of peripheral veins, collection of peripheral venous blood, collection of arterial blood, collection arterialized capillary blood,  6) collecting swabs from the nose, throat and skin, puncture of pleural cavity,  7) catheterization of the urinary bladder in women and me, nasogastric intubation, gastric lavage, enema,  8) standard electrocardiogram along with its interpretation, cardioversion and defibrillation of the heart,  9) simple test strips and measuring the concentration of glucose in the blood; | E.U29. | |
| U24 | assist when the following procedures and medical treatments are performed:  1) transfusions of blood and blood products,  2) drainage of the pleural cavity,  3) puncture of the pericardium,  4) puncture of the peritoneal cavity,  5) lumbar puncture,  6) needle biopsy,  7) epidermal tests,  8) intradermal and scarification tests and interpret their results; | E.U30. | |
| U25 | interpret descriptions of pharmaceutical medicines and critically assess advertising materials relating to medicines; | E.U31. | |
| U26 | plan specialist consultations; | E.U32. | |
| U27 | implement the basic therapeutic procedure in acute poisoning; | E.U33. | |
| U28 | monitor the status of a patient poisoned by chemical substances or drugs; | E.U34. | |
| U29 | recognize the agony of the patient and pronounce him/her dead; | E.U37. | |
| U30 | keep medical records of the patient | E.U38. | |
| U31 | comply with the aseptic and antiseptic rules; | F.U3. | |
| U32 | use peripheral venous catheter;; | F.U5. | |
| U33 | examine nipples, lymph nodes, thyroid gland and the abdominal cavity in terms of acute abdomen and perform finger test through the anus; | F.U6. | |
| U34 | perform basic resuscitation with automated external defibrillator and other rescue activities and provide first aid; | F.U10. | |
| U35 | explain to the people who use medical services their basic rights and the legal basis for providing medical benefits; | G.U5. | |
| U36 | act in such a way as to avoid medical errors; | G.U8. | |
| U37 | collect blood for toxicological studies and secure the material for hemogenetic research. | G.U9. | |
| U38 | observe patients' rights; | D.U15 | |
| **Criteria of assessment of the intended teaching outcomes** | | | |
|  | | | Number of points |
| Conducting medical interview. | | | 0-10 |
| Conducting physical examination. | | | 0-10 |
| Keeping the differential diagnosis of the most common diseases. | | | 0-10 |
| Interpretation of laboratory tests. | | | 0-10 |
| Assessment of patient condition. | | | 0-10 |
| Planning diagnostic, preventive and therapeutic proceedings as well as specialist consultations. | | | 0-10 |
| Execution of the procedures and medical treatments. | | | 0-10 |
| Take preventive and curative activities in a life-threatening situation. | | | 0-10 |
| Keeping good medical records. | | | 0-10 |
| Ethical and legal aspects of treatment (communication with patients, compliance with professional secrecy, cooperation with the team, a critical analysis of their own activities, identification with the professional role) | | | 0-10 |
| Total | | | 100 |
| Satisfactory | | | 51-60 |
| More than satisfactory | | | 61-70 |
| Good | | | 71-80 |
| More than good | | | 81-90 |
| Very good | | | 91-100 |

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| **Evaluation methods** | | | |
| Daily clinical assessment (evaluation procedure for each procedure) | Daily clinical assessment (evaluation procedure for each procedure) | Daily clinical assessment (evaluation procedure for each procedure) | Daily clinical assessment (evaluation procedure for each procedure) |
| X | X | X | X |
| Overview of record (stimulated assessment based on the patient card) | Overview of record (stimulated assessment based on the patient card) | Overview of record (stimulated assessment based on the patient card) | Overview of record (stimulated assessment based on the patient card) |
| X | X | X | X |
| The Clinical Competency Examination – performance of certain tasks and procedures in a patient in a clinical conditions) | The Clinical Competency Examination – performance of certain tasks and procedures in a patient in a clinical conditions) | The Clinical Competency Examination – performance of certain tasks and procedures in a patient in a clinical conditions) | The Clinical Competency Examination – performance of certain tasks and procedures in a patient in a clinical conditions) |
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| * 1. **Methods of assessment of the intended teaching outcomes** | | | | | | | | | | | | | | | | | |
| **Teaching**  **outcomes**  **(code)** | **Method of assessment (+/-)** | | | | | | | | | | | | | | | | |
| **Exam oral/written\*** | | | **Test\*** | | | **Project\*** | | | **Effort**  **in class\*** | | | **Self-study\*** | **Group work\*** | | | **Others\*** |
| ***Form of classes*** | | | ***Form of classes*** | | | ***Form of classes*** | | | ***Form of classes*** | | | ***Form of classes*** | ***Form of classes*** | | | ***Form of classes*** |
| *L* | *C* | *PC* | *L* | *C* | *PC* | *L* | *C* | *PC* | *L* | *C* | *PC* | *Practice (Hospital)* | *L* | *C* | *PC* | *Practice (Hospital)* |
| U01 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U02 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U03 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U04 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U05 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U06 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U07 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U08 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U09 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U10 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U11 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U12 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U13 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U14 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U15 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U16 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U17 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U18 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U19 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U20 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U21 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U22 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U23 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U24 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U25 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U26 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U27 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U28 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U29 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U30 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U31 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U32 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U33 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U34 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U35 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U36 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U37 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U38 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |

***\*niepotrzebne usunąć***

1. **BALANCE OF ECTS CREDITS – STUDENT’S WORK INPUT**

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| **Category** | **Student's workload** |
| **Full-time**  **studies** |
| *NUMBER OF HOURS WITH THE DIRECT PARTICIPATION OF THE TEACHER /CONTACT HOURS/* | **60** |
| *Participation in lectures\** |  |
| *Participation in classes, seminars, laboratories\** |  |
| *Preparation in the exam/ final test\** |  |
| *Others\** |  |
| *INDEPENDENT WORK OF THE STUDENT/NON-CONTACT HOURS/* |  |
| *Preparation for the lecture\** |  |
| *Preparation for the classes, seminars, laboratories\** |  |
| *Preparation for the exam/test\** |  |
| *Gathering materials for the project/Internet query\** |  |
| *Preparation of multimedia presentation* |  |
| *Others (please specify e.g. e-learning)\** |  |
| *TOTAL NUMBER OF HOURS* | **60** |
| ECTS credits for the course of study | **2** |