**description of the course of study**

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| **Course code** | **0912-7LEK-F-Out** | |
| **Name of the course in** | Polish | **Lecznictwo otwarte** |
| English | **Out-patient health care** |

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\*** | General academic |
| **1.5. Person preparing the course description** | dr n. med. Paweł Półrola |
| **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 classes of pediatrics and internal medicine |

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

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| * 1. **Form of classes** | | **Practice: 90 hours** |
| * 1. **Place of classes** | | Practical classes |
| * 1. **Form of assessment** | | **Credit with grade** |
| * 1. **Teaching methods** | | Case study |
| * 1. **Bibliography** | **Required reading** | 1) Steciwko A.(ed.): Practical skills for primary care physicians: Academia Medica Wratislaviensis, Wrocław 2011 |
| **Further reading** | 2) Rakel Robert E., Rakel David P. : Textbook of Family Medicine: Expert Consult-Online and Print, 8th edition. Elsevier & Saunders 2011  3) Rakel Robert E.: Essential Family Medicine. 3rd edition. Wyd. Saunders 2006. |

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

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| * 1. **Course objectives *(practice)***   C1 to gain knowledge about the specifics of the profession as a doctor  C2 to gain knowledge about the most common pediatric problems of adulthood, surgical and geriatric problems as well as problems related to the family and the environment occurring in primary care  C3 to acquire skills of effective communication with both the patient and his family  C4 to acquire skills that help to develop and manage the practice of a family doctor  C5 to be prepared to work in the POZ clinic  C6 to develop the correct doctor attitude towards the patients under the care of POZ |
| * 1. **Detailed syllabus *(practice)***   **1.** Gaining knowledge about characteristic of family doctor work.  2. Gaining knowledge about common pediatric and adult patients health problems, geriatric diseases and problems connected with family and environment.  3. Getting knowledge about establishing appropriate patient-doctor-patient’s family relationships and good relations with other workers  4. Taking history form a patient and performing physical examination.  5. Evaluates the general condition of the patient, consciousness and awareness level.  6. Compare antropometric and blood level measurements to percentile scales.  7. Mastering the skills of performing main doctor’s procedures:  a) measurments of body temperature, pulse rate, blood pressure and respiration rate  b) subcutaneous, intravenous, intramuscular injection, getting venous catether, taking blood samples,  c) getting swab from the nose, oral cavity, skin, thoracentesis  d) getting and interpretation of the ECG  e) measurments of blood glucose level by a glucometer |

**4.3.Education outcomes in the discipline**

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| **Code** | **A student, who passed the course** | **Relation to teaching**  **outcomes** |
| within the scope of **ABILITIES**, the graduate knows how to: | | |
| U01 | conduct a review of medical history of the child and its family; | E.U2. |
| U02 | conduct full and targeted physical examination of the adult patient; | E.U3. |
| U03 | assess patient’s general condition, consciousness and awarenes; | E.U7. |
| U04 | make relations between anthropometric measurements and blood pressure with data in growth charts; | E.U9. |
| U05 | assess the stage of puberty; | E.U10. |
| U06 | conduct checkups for children; | E.U11. |
| U07 | perform differential diagnosis of the most common diseases in adults and children; | E.U12. |
| U08 | assess and describe the somatic and mental state of patients; | E.U13. |
| U09 | recognize states of a direct threat to life; | E.U14. |
| U10 | plan diagnostic, therapeutic and preventive procedures; | E.U16. |
| U11 | qualify the patient for home treatment and hospitalization; | E.U20. |
| U12 | interpret laboratory test results and identifies the reasons for deviations; | E.U24. |
| U13 | plan treatment in the case of exposure to infection transmitted through blood; | E.U26. |
| U14 | collect and secure samples of material used in laboratory diagnostics; | E.U28. |
| U15 | 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. |
| U16 | 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. |
| U17 | plan specialist consultations | E.U32. |
| U18 | keep medical records of the patient | E.U38. |
| U19 | comply with the aseptic and antiseptic rules; | F.U3. |
| U20 | use peripheral venous catheter; | F.U5. |
| U21 | examine nipples, lymph nodes, thyroid gland and the abdominal cavity in terms of acute abdomen, and perform finger test through the anus; | F.U6. |
| U22 | perform basic resuscitation with automated external defibrillator and other rescue activities and provide first aid; | F.U10. |
| U23 | act in such a way as to avoid medical errors; | G.U8. |
| U24 | collect blood for toxicological studies and secure the material for hemogenetic research; | G.U9. |
| U25 | observes patients' rights; | D.U15. |

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| within the scope of **SOCIAL COMPETENCE**, the graduate is able to: | | |
| K01 | establish and maintain deep and respectful contact with the patient and show understanding towards ideological and cultural differences; | H.S1 |
| K02 | do what is right for the patient; | H.S2 |
| K03 | respect medical confidentiality and patient’s rights; | H.S3 |
| K04 | take actions concerning the patient on the basis of ethical principles, being aware of social conditions and restrictions resulting from illness; | H.S4 |
| K05 | recognize his/her own limitations and self-evaluate educational deficiencies and needs; | H.S5 |
| K06 | promote healthy lifestyle; | H.S6 |
| K07 | use reliable information sources; | H.S7 |
| K08 | conclude on the basis of own surveys and observations; | H.S8 |
| K09 | introduce rules of social conduct and teamwork to the group of specialists, including specialists form other medical professions also in the multicultural and multinational environment; | H.S9 |
| K10 | give opinions concerning various aspects of professional activity; | H.S10 |
| K11 | take responsibility for own decisions made during professional activities including own safety and safety of other people; | H.S11 |

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| **4.4. Methods of assessment of the intended teaching outcomes** | | | | | | | | | | | | | | | | | |
| **Teaching**  **outcome** | **Exam oral/written\*** | | | **Test\*** | | | **Project\*** | | | **Effort**  **in class\*** | | | **Self-study\*** | **Others\***  **Practical exam** | | | **Observation** |
| ***Form of classes*** | | | ***Form of classes*** | | | ***Form of classes*** | | | ***Form of classes*** | | | ***Form of classes*** | ***Form of classes*** | | | ***Form of classes*** |
| *L* | *C* | *...* | *L* | *C* | *...* | *L* | *C* | *...* | *L* | *C* | *...* | ***Practice (hospital)*** | ***Practice (hospital)*** | | | ***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 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| K01-K11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |

***\*delete as appropriate***

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| * 1. **Criteria of assessment of the intended teaching outcomes** |

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|  |  | | | | The number of points |
| 1. | Conducting the medical history | | | | 0-10 |
| 2. | Conducting physical examination | | | | 0-10 |
| 3. | Keeping the differential diagnosis of the most common diseases | | | | 0-10 |
| 4. | Interpretation of laboratory tests | | | | 0-10 |
| 5. | Assessment of patient condition | | | | 0-10 |
| 6. | Planning diagnostic proceedings, prophylactic, therapeutic and specialist consultations | | | | 0-10 |
| 7. | Performance of procedures and medical treatments | | | | 0-10 |
| 8. | Take preventive and curative action in a life-threatening situation | | | | 0-10 |
| 9. | Keeping medical records | | | | 0-10 |
| 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, and 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 |
| **Evaluation methods** | | | | | |
| Daily clinical assessment (evaluation procedure for each procedure) | | A single direct observation (observation while admitting one patient) | Long-term observation (total evaluation of many aspects of competence for a long time) | student self-assessment | |
| X | | X | X | X | |
| Overview of the record (stimulated assessment based on the patient’s card) | | Critical summation assessment tasks (use of biomedical knowledge in making optimal decisions) | 360-Degree assessment (evaluation by members of the clinical team and patients) | Develop triple jump(Triple Jump  Exercise -TJE): 1. Gathering medical history and examination of the patient  2. description of the activities  3. oralexam | |
|  | |  |  |  | |
| The Clinical Competency Examination –performance of certain tasks and procedures in a patient in a clinical setting | | Objective Structured Clinical Examination (OSCE) | Other methods of assessment |  | |

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/* | **90** |
| *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\** |  |
| *TOTAL NUMBER OF HOURS* | **90** |
| ECTS credits for the course of study | **3** |

***Accepted for execution*** *(date and signatures of the teachers running the course in the given academic year)*

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