**description of the course of study**

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| **Course code** | 0912-7LEK-C9.3-A |
| **Name of the course in** | Polish | **Pomoc doraźna – praktyki wakacyjne** |
| English | **Ambulatory care – holiday work placement** |

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 study |
| **1.4. Profile of study\*** | General academic |
| **1.5. Persons preparing the course description** | lek. med. Jacek Lech  |
| **1.6. Contact** | wnoz\_ipp@ujk.edu.pl |

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

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| **2.1. Language of instruction** | English |
| **2.2. Prerequisites\*** |  |

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

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| * 1. **Form of classes**
 | Practice 30 hours |
| * 1. **Place of classes**
 | Practical classes |
| * 1. **Form of assessment**
 | Credit with grade |
| * 1. **Teaching methods**
 | Case study |
| * 1. **Bibliography**
 | **Required reading** | 1. Oxford Handbook of Accident and Emergency Medicine, Wyatt J.P., Iilingworth R.N., Clancy M.J., Munro P. Robertson, 20122. CPR guidelines 2015 from https://cprguidelines.eu/ |
|  **Further reading** | 1. International Trauma Life Support for Emergency Care Providers 7th ed, John Campbell, 2011
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1. **Objectives, syllabus CONTENT and intended teaching outcomes**

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| * 1. **Course objectives *(practice)***

C1 Prepare students for the implementation of rescue workflow in certain life-threatening conditions. Shaping the ability to lead the rescue operation in a rescue team.C2 Prepare students to carry out medical activities as well as rescue and evacuation ones in the place of disaster, outside the zone of operations and interaction with other emergency services. |
| * 1. **Detailed syllabus *(practice)***

1. Gaining knowledge about characteristic of doctor work in emergency department.2. Gaining knowledge about common pediatric and adult patients health problems, surgical, geriatric diseases and problems in emergency departments.3. Getting knowledge about establishing appropriate patient-doctor-patient’s family relationships and good relations with other workers4. Getting knowledge about leading the emergency team.5. Taking history form a patient and performing physical examination.6. Evaluates the general condition of the patient, consciousness and awareness level.7. Evaluates and describing the somatic and psychiatric patients state.8. Recognize life-threatening conditions.9. Recognize alcohol, narcotics and other drug abuse.10. Student is planning a diagnostic, therapeutic and preventive procedures.11. Interprets laboratory test results and identifies cause of abnormalities.12. Plans a procedures in case of possible blood-transmitted infection.13. Mastering the skills of performing main doctor’s procedures:a) measurments of body temperature, pulse rate, blood pressure and respiration rateb) subcutaneous, intravenous, intramuscular injection, getting venous catether, taking blood samples,c) getting swab from the nose, oral cavity, skin, thoracentesisd) getting and interpretation of the ECGe) 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 | conduct physical examination of the child at any age; | E.U4. |
| U04 | assess patient’s general condition, consciousness and awarenes; | E.U7. |
| U05 | assess and describe the somatic and mental state of patients; | E.U13. |
| U06 | recognize states of a direct threat to life; | E.U14. |
| U07 | recognize when a patient is under the influence of alcohol, drugs and other addictive products; | E.U15. |
| U08 | plan diagnostic, therapeutic and preventive procedures;  | E.U16. |
| U09 | qualify the patient for home treatment and hospitalization; | E.U20. |
| U10 | interpret laboratory test results and identify the reasons for deviations; | E.U24. |
| U11 | plan treatment in the case of exposure to infection transmitted through blood; | E.U26. |
| U12 | collect and secure samples of material used in laboratory diagnostics;  | E.U28. |
| U13 | 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. |
| U14 | 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. |
| U15 | plan specialist consultations | E.U32. |
| U16 | evaluate decubitus and apply appropriate dressings;  | E.U35. |
| U17 | act correctly in the case of injuries (use dressing or immobilization, stitch the wound);  | E.U36. |
| U18 | keep medical records of the patient; | E.U38. |
| U19 | assist during a typical surgery, prepare the surgical site and locally anesthetize operated area; | F.U1. |
| U20 | use basic medical tools | F.U2. |
| U21 | comply with the aseptic and antiseptic rules; | F.U3. |
| U22 | manage simple wounds and change sterile surgical dressing; | F.U4. |
| U23 | use peripheral venous catheter | F.U5. |
| U24 | examine nipples, lymph nodes, thyroid gland and the abdominal cavity in terms of acute abdomen, and perform finger test through the anus;  | F.U6. |
| U25 | perform basic resuscitation with automated external defibrillator and other rescue activities and provide first aid; | F.U10. |
| U26 | act in accordance with the current algorithm of advanced life support activities; | F.U11. |
| U27 | assess the condition of the unconscious patient in accordance with applicable international scales;  | F.U21. |
| U28 | recognize the symptoms of increasing intracranial pressure;  | F.U22. |
| U29 | issue medical certificates for the needs of patients, their families and other entities; | G.U6. |
| U30 | act in such a way as to avoid medical errors; | G.U8. |
| U31 | collect blood for toxicological studies and secure the material for hemogenetic research; | G.U9. |
| U32 | observe 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 | respec tmedical 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 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U010 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U011 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U012 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U013 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U014 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U015 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U016 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U017 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U018 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U019 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U020 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U021 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U022 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U023 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U024 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U025 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U026 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U027 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U028 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U029 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U030 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U031 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| U032 |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  |  | ***+*** |
| 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 medical interview. | 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, preventive and therapeutic proceedings as well as specialist consultations. | 0-10 |
| 7. | Execution of the procedures and medical treatments. | 0-10 |
| 8. | Take preventive and curative activities in a life-threatening situation. | 0-10 |
| 9. | Keeping good 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, 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 receiving one patient) | Long-term observation (total evaluation of many aspects of competence for a long time) | Self-assessment of student |
|  |  | X | X |
| Overview of record (stimulated assessment based on the patient card) | Critical summation assessment of the task (use of biomedical knowledge in making optimal decisions) | 360-Degree Assessment (evaluation by members of the clinical team and patients) | Triple JumpExercise -TJE: 1. gathering medical information2. description of actions3. oral exam |
| X |  | X |  |
| The Clinical Competency Examination – performance of certain tasks and procedures in a patient in a clinical conditions) | Objective Structured Clinical Examination (OSCE) | Other Assessment Methods |  |
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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/* | **30** |
| *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* | **30** |
| ECTS credits for the course of study | **1** |

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

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