**DESCRIPTION OF THE COURSE OF STUDY**

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| **Discipline code** | **0912-7LEK-C8.1-C** | |
| **Name of discipline** | Polish | Choroby wewnętrzne- kliniczne nauczanie praktyczne |
| English | Internal medicine – clinical teaching and practice |

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. Specialization\*** | Lack |
| **1.6. Unit running the course of study** | Collegium Medicum |
| **1.7. Person/s preparing the course description** | Prof. dr hab. n. med. Zbigniew Siudak |
| **1.8. Person responsible for the course of study** | Prof. dr hab. n. med. Zbigniew Siudak |
| **1.9. Contact** |  |

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

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| **2.1. Affiliation with the module** | Clinical teaching and practice |
| **2.2. Language of instruction** | English |
| **2.3. Semesters in which the course of study is offered** | 11th |
| **2.4. Prerequisites\*** | Completion of all forms of Internal Medicine course (5th – 10th semester) |

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

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| **3.1. Types of classes** | | **Practice: 240 hours** |
| * 1. **Way of conducting classes** | | Practical classes |
| * 1. **Way of obtaining credits for classes** | | Credit with grade |
| * 1. **Didactic methods** | | Case study |
| **3.5.Bibliography** | **Required reading** | 1. Harrison's Principles of Internal Medicine, Vol. 1 & Vol. 2; 19th Edition. Authors: Longo, Dan; Fauci, Anthony; Jameson, J.; Hauser, Stephen; Kasper, Dennis; Loscalzo, Joseph;  2. Podstawy badania klinicznego / Basics in Clinical Examination. Piotr Zaborowski. 2016 |
| **Further Reading** | 1. Kumar and Clark's Clinical Medicine, 8th or 9th Edition by Parveen Kumar, Michael L Clark. 2. Bates' Guide to Physical Examination and History-Taking by Lynn Bickley, Lippincott Williams & Wilkins 2012 |

1. **OBJECTIVES, SYLLABUS CONTENT AND INTENDED LEARNING OUTCOMES**

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| **4.1.Course objectives (for all forms of the course)**  The aim of the course is to provide knowledge, practical skills and social competence on diseases in adults. Prepare students to:   * Plan diagnosis, treatment and prophylaxis. * Plan and analyze diagnostic tests. * Techniques of medical history taking and physical examination * predict the consequences of planned activities in hospital and outpatient settings.   Shaping attitudes about relation between doctor and patient, doctor – doctor, doctor – team.  Compliance with laws and professional ethics.   * 1. **Detailed syllabus (for all forms of the course)**   The student chooses seminars / classes presenting various cases / clinical cases in the field of family medicine in accordance with the applicable education standards for the medical faculty. |

**4.3 Education outcomes in the discipline**

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| **Code** | **A student, who passed the course** | **Relation to learning**  **outcomes** |
| U01 | conduct a review of medical history of the adult patient; | E.U1. |
| U02 | conduct full and targeted physical examination of the adult patient; | E.U3. |
| U03 | assess patient’s general condition, consciousness and awareness; | E.U7. |
| U04 | perform differential diagnosis of the most common diseases in adults and children; | E.U12. |
| U05 | assess and describes 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 | conduct analysis of the potential side effects of each drug and the interaction between them; | E.U17. |
| U10 | propose individualization of existing guidelines and other therapeutic treatments in the case of non-effectiveness of or contraindications to standard therapy; | E.U18. |
| U11 | recognize signs of drug dependency and propose a treatment procedure; | E.U19. |
| U12 | qualify the patient for home treatment and hospitalization; | E.U20. |
| U13 | 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. |
| U14 | interpret laboratory test results and identify the reasons for deviations; | E.U24. |
| U15 | apply dietary treatment with the consideration of enteral and parenteral feeding; | E.U25. |
| U16 | plan treatment in the case of exposure to infection transmitted through blood; | E.U26. |
| U17 | collect and secure samples of material used in laboratory diagnostics; | E.U28. |
| U18 | 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. |
| U19 | implement the basic therapeutic procedure in acute poisoning; | E.U33. |
| U20 | monitor the status of a patient poisoned by chemical substances or drugs; | E.U34. |
| U21 | recognize the agony of the patient and pronounce him/her dead; | E.U37. |
| U22 | keep medical records of the patient | E.U38. |
| U23 | comply with the aseptic and antiseptic rules | F.U3. |
| U24 | use peripheral venous catheter; | F.U5. |
| U25 | examines nipples, lymph nodes, thyroid gland and the abdominal cavity in terms of acute abdomen, and performs finger test through the anus; | F.U6. |
| U26 | perform basic resuscitation with automated external defibrillator and other rescue activities and provide first aid; | F.U10. |
| U27 | issue medical certificates for the needs of patients, their families and other entities; | G.U6. |
| U28 | recognize symptoms indicating the possibility of using violence against the child during his/her examination; | G.U7. |

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| **Criteria for evaluation of obtained education outcomes** | | | | | |
|  | | | | Number of points | |
| Conducts medical history | | | | 0-10 | |
| Conducts physical examination | | | | 0-10 | |
| Conducting the differential diagnosis of the most common diseases | | | | 0-10 | |
| Interpretation of laboratory tests | | | | 0-10 | |
| Assessment of patient condition | | | | 0-10 | |
| Plans diagnostic, prophylactic and therapeutic proceedings as well as specialist consultations | | | | 0-10 | |
| Performance of the procedures and medical treatments | | | | 0-10 | |
| Taking preventive and curative measures in a life-threatening situation | | | | 0-10 | |
| Keeping medical reocords | | | | 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 | |
| **Evaluation methods** | | | | |
| Daily clinical assessment (evaluation proceeding 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 the student | |
|  |  |  | X | |
| The overview of record (stimulated assessment based on the patient) | 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 jump exercise (TripleJump  Exercise -TJE): 1. Collection of intelligence and examination of the patient 2. Description of the actions 3. Oral exam | |
| X |  | X | X | |
| Clinical competence 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. **Methods of assessment of the intended learning outcomes** | | | | | | | | | | | | | | | | | | | | | |
| **Efekty przedmiotowe**  ***(symbol)*** | **Method of assessment (+/-)** | | | | | | | | | | | | | | | | | | | | |
| **Exam oral/written\*** | | | **Exam oral/written\*** | | | **Exam oral/written\*** | | | **Exam oral/written\*** | | | **Exam oral/written\*** | | | **Exam oral/written\*** | | | **Exam oral/written\*** | | |
| ***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* | *...* | *L* | *C* | *...* | *L* | *C* | *...* | *L* | *C* | *...* |
| U01- U37 |  |  |  |  |  | ***+*** |  |  |  |  |  | ***+*** |  |  | ***+*** |  |  |  |  |  | ***+*** |
| K01 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

***\*niepotrzebne usunąć***

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| * 1. **Criteria of assessment of the intended learning outcomes** | | |
| **Form of classes** | **Grade** | **Criterion of assessment** |
| **Practical classes** | **3** | 61-68% |
| **3,5** | 69-76% |
| **4** | 77-84% |
| **4,5** | 85-92% |
| **5** | 93-100% |

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/*** | ***240*** |
| *Participation in lectures\** |  |
| *Participation in classes, seminars, laboratories\** | 240 |
| *Preparation in the exam/ final test\** |  |
| *Others\** |  |
| ***INDEPENDENT WORK OF THE STUDENT/NON-CONTACT HOURS/*** | ***160*** |
| *Preparation for the lecture\** |  |
| *Preparation for the classes, seminars, laboratories\** | 160 |
| *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*** | ***400*** |
| **ECTS credits for the course of study** | **16** |

* **Delete unnecessary**

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

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