**description of the course of study**

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| **Course code** | **0912-7LEK-C3.3-P** | |
| **Name of the course in** | Polish | **Parazytologia** |
| English | **Parasitology** |

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** | prof. zw. dr hab. Robert Bucki |
| **1.6. Contact** | [robert.bucki@ujk.edu.pl](mailto:robert.bucki@ujk.edu.pl) |

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

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| **2.1. Language of instruction** | English |
| **2.2. Prerequisites\*** | Microscopic techniques, basic concepts of general biology |

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

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| * 1. **Form of classes** | | Lecture: 15; classes:10; laboratories: 10 |
| * 1. **Place of classes** | | Courses in the teaching rooms of the UJK |
| * 1. **Form of assessment** | | Exam; credit with grade- lab. |
| * 1. **Teaching methods** | | Lecture – informative lecture, teaching supported by the computer.  classes– laboratory classes, teaching supported by the computer.  Demonstration with instruction, practical classes. |
| * 1. **Bibliography** | **Required reading** | 1. Human Parasitology 4/e, ELSEVIER, 2012, Bogitsh, Carter, Oeltmann,  2. Buczek A (red.). 2010. Parasitology for medical students |
| **Further reading** | 1. Study Guide. Medicalparasitology, 2009, Wydawnictwo UMP w Poznaniu, Majewska, Anna C.; Nowosad  2. Guerrant R. L. 2005. Tropical Infectious Diseases. Elsevier Health  Sciences, Philadelphia |

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

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| * 1. **Course objectives *(for all form of classes)***   C1 – acquaintance with the biology of discussed parasites.  C2 – acquaintance with anatomical and morphological structure of selected parasites.  C3 – acquaintance with the role and importance of parasites for animals and humans.  C4 – acquaintance with the diagnostic and methods of treatment of parasitic invasion.  C5 – acquaintance with the rules of collection and storage of material for testing for the presence of parasites. |
| * 1. **Detailed syllabus *(for all form of classes)***   lectures: the definition of parasitism. A host-parasite system. Physiological adaptation of the parasite to the host. Defense mechanisms occurring in a host – parasite system. Protozoology medical attention. Medical Helminthology. Medical arachnoentomology. Reproduction, growth, development cycles of parasites belonging to various taxonomic groups. The geographic scope of the parasite – host system.  classes: discussion of selected species of parasites including the systematic assignment, induced by parasitosis and methods of their diagnosis and treatment. |

**4.3 Intended learning outcomes**

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| **Code** | **A student, who passed the course** | **Relation to learning**  **outcomes** |
| within the scope of **knowledge**, the graduate knows and understands: | | |
| W01 | the epidemiology of infections with viruses, bacteria as well as fungal and parasites infections, including geographical range of their occurrence; | C.W13. |
| W02 | invasive human forms or stages of development of selected parasitic fungi, protozoa, helminths and arthropods, including geographical coverage of their occurrence; | C.W16. |
| W03 | the functional principle of the parasite - host pair and knows the basic symptoms of illnesses caused by parasites; | C.W17. |
| W04 | the basics of microbiological and parasitological diagnosis; | C.W19. |
| within the scope of **ABILITIES**,the graduate knows how to: | | |
| U01 | operate the optical microscope, also making use of immersion; | A.U1. |
| U02 | recognize the most common human parasites on the basis of their construction, life cycles and symptoms of the disease; | C.U7. |
| U03 | prepare a microscopic formulation and recognizes pathogens under a microscope; | C.U9. |

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|  | within the scope of **SOCIAL COMPETENCE**, the graduateisable to: |  |
| K01 | establish and maintaindeep and respectfulcontact with the patient and show understandingtowardsideological and culturaldifferences; | H.S1 |
| K02 | do whatisright for the patient; | H.S2 |
| K03 | respectmedicalconfidentiality and patient’srights; | H.S3 |
| K04 | takeactionsconcerning the patient on the basis of ethicalprinciples, beingaware of socialconditions and restrictionsresulting from illness; | H.S4 |
| K05 | recognizehis/herownlimitations and self-evaluateeducationaldeficiencies and needs; | H.S5 |
| K06 | promotehealthylifestyle; | H.S6 |
| K07 | usereliableinformationsources; | H.S7 |
| K08 | conclude on the basis of ownsurveys and observations; | H.S8 |
| K09 | introducerules of socialconduct and teamwork to the group of specialists, includingspecialists form othermedicalprofessionsalso in the multicultural and multinational environment; | H.S9 |
| K10 | giveopinionsconcerningvariousaspects of professionalactivity; | H.S10 |
| K11 | takeresponsibility for owndecisionsmadeduringprofessionalactivitiesincludingownsafety and safety of otherpeople; | H.S11 |

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| * 1. **Methods of assessment of the intended learning outcomes** | | | | | | | | | | | | | | | | | | | | | |
| **Teaching**  **outcomes**  ***(code)*** | **Method of assessment (+/-)** | | | | | | | | | | | | | | | | | | | | |
| **Exam oral/written\*** | | | **Test\*** | | | **Project\*** | | | **Effort**  **in class\*** | | | **Self-study\*** | | | **Group work\*** | | | **Others\***  **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* | *...* | *L* | *C* | *...* | *L* | *C* | *...* | *L* | *C* | *...* |
| W01 | ***+*** |  |  |  | ***+*** |  |  |  |  |  |  |  |  | ***+*** |  |  |  |  |  |  |  |
| W02 | ***+*** |  |  |  | ***+*** |  |  |  |  |  |  |  |  | ***+*** |  |  |  |  |  |  |  |
| W03 | ***+*** |  |  |  | ***+*** |  |  |  |  |  |  |  |  | ***+*** |  |  |  |  |  |  |  |
| W04 | ***+*** |  |  |  | ***+*** |  |  |  |  |  |  |  |  | ***+*** |  |  |  |  |  |  |  |
| U01 |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  | ***+*** |  |  |  |  |  |  |  |
| U02 |  |  |  |  | ***+*** | ***+*** |  |  |  |  |  |  |  | ***+*** |  |  |  |  |  |  |  |
| U03 |  |  |  |  |  |  |  |  |  |  | ***+*** |  |  | ***+*** |  |  |  |  |  |  |  |
| K01-K11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | ***+*** | ***+*** |  |

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| * 1. **Criteria of assessment of the intended learning outcomes** | | |
| **Form of classes** | **Grade** | **Criterion of assessment** |
| **lecture (L)** | **3** | 61% to 68% |
| **3,5** | 69% to 76% |
| **4** | 77% to 84% |
| **4,5** | 85% to 92% |
| **5** | 93% to 100% |
| **classes (C)\*** | **3** | 61% to 68% |
| **3,5** | 69% to 76% |
| **4** | 77% to 84% |
| **4,5** | 85% to 92% |
| **5** | 93% to 100% |
| **Practical classes (PC)\*** | **3** | From 61% to 68% Learning programme content on the basic level, replies chaotic, leading questions necessary. |
| **3,5** | From 69% to 76%Learning programme content on the basic level, answers systematized, requires assistance from the teacher. |
| **4** | From 77% to 84%Learning programme content on the basic level, answers systematized, independent. Solving of problems in typical situations. |
| **4,5** | From 85% to 92% The scope of presented knowledge exceeds the basic level based on the supplementary literature provided. Solving of problems in new complex situations |
| **5** | From 93% to 100% The scope of presented knowledge exceeds the basic level based on independently acquired scientific sources of information |

* [**Thresholds**](https://pl.bab.la/slownik/angielski-polski/thresholds) **are valid from 2018/ 2019 academic year**

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| **Conditions for obtaining credit:**  1. Condition for admission to the examination is the completion of all classes (including written tests) as well as presence in all lectures.  2. Practical and theoretical knowledge required, not only the current subject, but also aspects previously discussed and related to the course subject.  3. All students will be assessed during each class.  4. The grade, including insufficient can be improved only once within 14 days, during subsequent classes. Test correction will be performed within two weeks.  5. Study Regulations do not allow an unexcused absence. An unexcused absence can be fulfilled during next class.  6. The assistant conducting classes with the group of students is responsible for the above mentioned organizational matters.  7. A finalwrittenexam. |
| **Criteria for evaluation of oral answer**  1. Provision of a comprehensive answer to the problem (task)  2. Skill of integration of knowledge from allied domains (disciplines)  3. Independence and/or creativity in the presentation of the scope of problems, proposals of solutions  4. Presentation of the current knowledge related with the discipline (domain)  5. Recognition of problems resulting from the task  **Criteria for evaluation of written answer**  1. Compliance with the essence of the subject matter of work (task) /  2. Provision of a comprehensive answer to the problem (task) /  3. Skill of integration of knowledge from allied domains (disciplines) /  4. Independence and/or creativity in the presentation of the scope of problems  5. Presentation of the current knowledge related with the discipline (domain), pertinent selection of literature. |

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/* | **35** |
| *Participation in lectures\** | **15** |
| *Participation in classes, seminars, laboratories\** | **20** |
| *Preparation in the exam/ final test\** |  |
| *Others\** |  |
| *INDEPENDENT WORK OF THE STUDENT/NON-CONTACT HOURS/* | **15** |
| *Preparation for the lecture\** | **10** |
| *Preparation for the classes, seminars, laboratories\** | **5** |
| *Preparation for the exam/test\** |  |
| *Gathering materials for the project/Internet query\** |  |
| *Preparation of multimedia presentation* |  |
| *Others\** |  |
| *TOTAL NUMBER OF HOURS* | **50** |
| ECTS credits for the course of study | **2** |

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

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