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|  | UNIVERSITY OF WARMIA AND MAZURY IN OLSZTYN |
|  |  **Course sylabus – part A** |
| **48SJO-MEDPARA** | **Medical Parasitology** |
| **2024** |  |
| **ECTS: 2.00** |  |

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| **SUBJECT MATTER CONTENT:**Familiarize with the characteristics (structure, reproduction, life cycles, pathogenicityIntroduction to parasitology. Microhabitat of parasites. Sources of infection and the routes of entry of parasites. Types of harmful parasites effect on human health. Parasitic diseases caused by protozoan, flatworms, roundworms. Exotic parasitic invasions. Invasions of parasitic arthropods. Methods used in the diagnosis of parasitic diseases of man.**TEACHING OBJECTIVE:**Acquire knowledge about the parasite-host system, the characteristics of selected parasites, signs of parasitic diseases and their diagnostics; acquisition of skills to recognize parasites, making health-promoting activities, environmental risk assessment for human life and health**DESCRIPTION OF THE LEARNING OUTCOMES OF THE COURSE IN RELATION TO THE DESCRIPTION OF THE CHARACTERISTICS OF THE SECOND LEVEL LEARNING OUTCOMES FOR QUALIFICATIONS AT LEVELS 6-8 OF THE POLISH QUALIFICATION FRAMEWORK IN RELATION TO THE SCIENTIFIC DISCIPLINES AND THE EFFECTS FOR FIELDS OF STUDY:****Symbols for outcomes related to the discipline:****Symbols for outcomes related to the field of study:****LEARNING OUTCOMES (Knowledge, Skills, Social competence):**

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| **K1**  | noticing and recognizing own limitations and self-assessment of deficits and educational needs |
| **U1**  | recognise the most frequent human parasites based on their structure, life cycles, and pathological symptoms |
| **U2**  | produce preparations and recognise pathogens under the microscope |
| **W1**  | the working principle of the parasite-host relationship and the symptoms of parasite-induced diseases |
| **W2**  | epidemiology of viral and bacterial infections and of fungal and parasitic infections, in recognition of their geographic limits |
| **W3**  | the forms or developmental stages of selected parasitic fungi, protozoa, helminths, and arthropods invasive for humans, in recognition of their geographic limits |
| **W4**  | the basics of microbiological and parasitological diagnostics |

**TEACHING FORMS AND METHODS:**

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| Classes-['U1', 'K1', 'W2', 'U2', 'W3', 'W4']-laboratory classes-Familiarize with the characteristics (structure, reproduction, life cycles, pathogenicity |
| Lecture-['W1', 'U1', 'K1', 'W2', 'W3']-PowerPoint presentation-Introduction to parasitology. Microhabitat of parasites. Sources of infection and the routes of entry of parasites. Types of harmful parasites effect on human health. Parasitic diseases caused by protozoan, flatworms, roundworms. Exotic parasitic invasions. Invasions of parasitic arthropods. Methods used in the diagnosis of parasitic diseases of man. |

**FORM AND CONDITIONS OF VERIFYING LEARNING OUTCOMES:**

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| Classes-(Colloquium test)-['W1', 'U1', 'K1', 'W2', 'W3', 'W4']-30 questions (15 closed and 15 open questions) |
| Classes-(Written test)-['W1', 'U1', 'K1', 'W2', 'W3', 'W4']-single-choice short tests with questions about current topic |
| Classes-(Colloquium practical)-['U1', 'K1', 'U2', 'W3', 'W4']-recognition of parasites on 10 microscopic slides |
| Lecture-(Colloquium test)-['W1', 'U1', 'K1', 'W2', 'W3', 'W4']-30 questions (15 closed and 15 open questions) |

**Literature:**

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| 1. **https://www.cdc.gov/index.htm** (literatura uzupełniająca)  |
| 2. **https://www.who.int/** (literatura uzupełniająca)  |
| 3. ***Parasitology for medical students***, Buczek A., Koliber, 2011, Strony: , Tom: (literatura podstawowa)  |
| 4. ***Diagnostic medical parasitology***, Garcia L. Sh., Washington, D.C. ASM Press, 2007, Strony: , Tom: (literatura uzupełniająca)  |

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| **Legal acts specifying learning outcomes:** **Status of the course:** **Group of courses:****Discipline**: Medical Sciences**Program:** Medicine**Form of studies:**full-time**Level of studies:** uniform master's studies |

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| **Introductory subject:** -**Prerequisites:** - |

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| **Coordinators:****Ewa Dzika, e.dzika@uwm.edu.pl** |

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|  | UNIVERSITY OF WARMIA AND MAZURY IN OLSZTYN |
|  | **Detailed description of ECTS credits awarded - part B** |
| **48SJO-MEDPARA** | **Medical Parasitology** |
| **2024** |  |
| **ECTS: 2.00** |  |

The number of ECTS credits awarded consists of:

1. Contact hours with the academic teacher:

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| - participation in:  | 6 h |
| - participation in:  | 18 h |
| - consultation | 2 h |
|  | Total: 26 h |

2. Independent work of a student:

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| studying to the final test | 24.00 h |
|  | Total: 24.00 h |

Total (contact hours + independent work of a student): 50.00 h

1 ECTS credit = 25-30 h of an average student’s work, number of ECTS,

ECTS Points = 50.00 h : 25 h/ECTS = **2.00** ECTS

Average: 2.00 ECTS

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| - including the number of ECTS credits for contact hours with the direct participation of an academic teacher | 1.04 ECTS |
| - including the number of ECTS credits for hours of independent work of a student | 0.96 ECTS |