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|  | UNIVERSITY OF WARMIA AND MAZURY IN OLSZTYN |
|  |  **Course sylabus – part A** |
| **48SJ-INFD** | **Infectious Disease** |
| **2024Z** |  |
| **ECTS: 5.00** |  |

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| **SUBJECT MATTER CONTENT:**Practical application of the knowledge acquired at lectures and seminars in the Infectious Disease Clinic as well as in the Retrovirus Clinic and in the Infectious Disease Ward.1. Legislation on infectious diseases, epidemics and occupational diseases with infectious and invasive aetiology. 2. Infectious diseases in pregnancy. 3. HIV infections/AIDS. 4. Fevers of unknown aetiology, fevers in individuals returning from tropical regions and selected tropical diseases. 5. Tick-borne diseases. 6. Rabies, tetanus, diphtheria and botulism in the infectious disease specialist’s practice. 7. Viral hepatitis – diagnostics, clinic and treatment. 8. Diagnostics of jaundice, liver cirrhosis and liver failure. 9. Neuroinfections. 10. Preventing blood-borne infections in healthcare professionals.1. Infectious diseases of the gastrointestinal tract/food poisonings, dysentery, Campylobacter, Clostridium diffcile. 2. Parasitic infestations encountered in Poland. 3. Rash diseases and skin infections/erysipelas, anthrax, gas gangrene, erysipeloid, tonsillitis with diphtheria, chickenpox and hemiplegia, herpes, rubella, smallpox. 4. Sepsis. 5. Hospital-acquired infections. 6. Immunoprophylaxis of tetany and rabies. 7. Bioterrorism. 8. HIV+ patient management standards. 9. Travel medicine. 10. Selected haemorrhagic fevers.**TEACHING OBJECTIVE:**to acquire knowledge of epidemiology, diagnosis, treatment and prophylaxis of infections and parasitic diseases, including viral infections, HIV infections and related opportunistic infections, and neuroinfections, tropical and animal-borne diseases. Recognising, diagnosing and treatment of infectious diseases.**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:**K.1.+, K.2.+, K.3.+, K.4.+, E.U1.+, E.U3.+, E.U24.+, E.U26.+, E.U27.+, E.U38.+, G.U2.+, G.U3.+, G.U4.+, KA7\_UW8+, KA7\_UK5+, KA7\_UU1+, M/NM\_C.W16.+, M/NM\_C.W17.+, M/NM\_C.W18.+, M/NM\_C.W20.+, M/NM\_E.W1.+, M/NM\_E.W34.+, M/NM\_G.W3.+, M/NM\_G.W12.+**LEARNING OUTCOMES (Knowledge, Skills, Social competence):**

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| **K1**  | establishes and maintains a deep and respectful contact with a patient and shows understanding for differences regarding the outlook of the world and culture |
| **K2**  | acts for the good of the patient |
| **K3**  | observes medical confidentiality and the patient’s rights, |
| **K4**  | takes measures with respect to a patient based on ethical principles while being aware of the social factors and limitations arising from the disease; |
| **U1**  | takes the medical history of an adult patient |
| **U2**  | conducts a full and purposeful physical examination of an adult patient; |
| **U3**  | interpret the results of laboratory tests and identify the causes of deviations from the norm |
| **U4**  | plans a procedure in the case of exposure to a blood-borne infection; |
| **U5**  | qualifies a patient for vaccination; |
| **U6**  | keep the patient’s medical records |
| **U7**  | accumulate information on the presence of infectious and chronic disease risk factors, and plan preventive actions at different prevention levels |
| **U8**  | interpret the measures of frequency of diseases and disabilities |
| **U9**  | assess the epidemiological situation with respect to the diseases common in the Republic of Poland and in the world |
| **U10**  | applies dietary treatment |
| **U11**  | prepares a written and oral report on the patient’s condition and on the medical and rescue measures applied, submits a report to the supervisor and an interdisciplinary team |
| **U12**  | assists in performing thin- and thick-needle biopsy |
| **W1**  | forms or development stages of selected parasitic fungi, protozoan, helminths and anthropods that are invasive to humans, considering the geographic range of their occurrence; |
| **W2**  | the principle of the parasite-host system functioning and the main disease symptoms caused by parasites |
| **W3**  | symptoms of iatrogenic infections, routes of spread and the pathogens which cause changes in different organs; |
| **W4**  | basic disinfection, sterilisation and aseptic procedures; |
| **W5**  | environmental and epidemiological factors which affect the most common diseases; |
| **W6**  | causes, symptoms, rules of diagnostic and therapeutic procedures as well as prophylaxis in the most common bacterial, viral, parasitic and fungal diseases, including infections caused by pneumococci, viral hepatitis, AIDS, sepsis and hospital-acquired infections; |
| **W7**  | epidemiology of infectious and chronic diseases, methods of preventing them at different stages of their natural history and the role of epidemiological supervision; |
| **W8**  | the concept of a violent and sudden death, as well as the differences between trauma and injury; |

**TEACHING FORMS AND METHODS:**

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| Classes-['W1', 'U1', 'K1', 'W2', 'U2', 'K2', 'W3', 'K3', 'W4', 'U4', 'K4', 'W5', 'U5', 'W6', 'U6', 'W7', 'W8', 'U3']-classes-Practical application of the knowledge acquired at lectures and seminars in the Infectious Disease Clinic as well as in the Retrovirus Clinic and in the Infectious Disease Ward. |
| Lecture-['W1', 'W2', 'W3', 'W4', 'W5', 'W6', 'W7', 'W8']-lecture-1. Legislation on infectious diseases, epidemics and occupational diseases with infectious and invasive aetiology. 2. Infectious diseases in pregnancy. 3. HIV infections/AIDS. 4. Fevers of unknown aetiology, fevers in individuals returning from tropical regions and selected tropical diseases. 5. Tick-borne diseases. 6. Rabies, tetanus, diphtheria and botulism in the infectious disease specialist’s practice. 7. Viral hepatitis – diagnostics, clinic and treatment. 8. Diagnostics of jaundice, liver cirrhosis and liver failure. 9. Neuroinfections. 10. Preventing blood-borne infections in healthcare professionals. |
| Seminar-['W4', 'W5', 'W7']-seminar-1. Infectious diseases of the gastrointestinal tract/food poisonings, dysentery, Campylobacter, Clostridium diffcile. 2. Parasitic infestations encountered in Poland. 3. Rash diseases and skin infections/erysipelas, anthrax, gas gangrene, erysipeloid, tonsillitis with diphtheria, chickenpox and hemiplegia, herpes, rubella, smallpox. 4. Sepsis. 5. Hospital-acquired infections. 6. Immunoprophylaxis of tetany and rabies. 7. Bioterrorism. 8. HIV+ patient management standards. 9. Travel medicine. 10. Selected haemorrhagic fevers. |

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

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| Lecture-(Written exam)-['W1', 'W2', 'W3', 'W4', 'W5', 'W6', 'W7', 'W8']-written or oral exam |
| Seminar-(Oral test)-['W1', 'K1', 'W2', 'U2', 'K2', 'W3', 'K3', 'W4', 'U4', 'K4', 'W5', 'U5', 'W6', 'U6', 'W7', 'W8', 'U3']-attending all seminars |
| Classes-(Colloquium practical)-['W1', 'U1', 'K1', 'W2', 'U2', 'K2', 'W3', 'K3', 'W4', 'U4', 'K4', 'W5', 'U5', 'W6', 'U6', 'W7', 'W8', 'U3']-covering taking a medical history, physical examination, evaluation of laboratory test results, imaging examination results, other additional examinations, differential diagnosis, proposing further diagnostic and therapeutic measures; attending all classes |

**Literature:**

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| 1. ***Choroby zakaźne i pasożytnicze***, Dziubek Z., Wydawnictwo Lekarskie PZWL, 2012, Strony: , Tom: (literatura podstawowa)  |
| 2. ***Harrison. Choroby zakaźne***, Fauci AS, Kasper DL, Flisiak R., CZELEJ, 2012, Strony: , Tom: (literatura uzupełniająca)  |
| 3. ***Choroby zakaźne i pasożytnicze***, Boroń-Kaczmarska A., Wiercińska-Drapała A., Wydawnictwo Lekarskie PZWL, 2019, Strony: , Tom: (literatura podstawowa)  |
| 4. ***Comprehensive Review of Infectious Diseases***, Spec A., Escota C., Chrisler C., Davies B., Elsevier - Health Sciences Division, 2019, Strony: , Tom: (literatura podstawowa)  |

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| **Legal acts specifying learning outcomes:** **Status of the course:** **Group of courses:****Discipline**: Medical Sciences**Program:** All**Form of studies:****Level of studies:**  |

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| **Introductory subject:** microbiology, virology, immunology, internal diseases**Prerequisites:** knowledge of physiology and pathophysiology of diseases with infectious aetiology |

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| **Coordinators:****Piotr Kocbach, piotr.kocbach@uwm.edu.pl****Aleksandra Kocbach-Przudzik,**  |

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|  | UNIVERSITY OF WARMIA AND MAZURY IN OLSZTYN |
|  | **Detailed description of ECTS credits awarded - part B** |
| **48SJ-INFD** | **Infectious Disease** |
| **2024Z** |  |
| **ECTS: 5.00** |  |

The number of ECTS credits awarded consists of:

1. Contact hours with the academic teacher:

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| - participation in:  | 20 h |
| - participation in:  | 10 h |
| - participation in:  | 40 h |
| - consultation | 5 h |
|  | Total: 75 h |

2. Independent work of a student:

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| preparing for the examination, practical training and for the practical test | 50.00 h |
|  | Total: 50.00 h |

Total (contact hours + independent work of a student): 125.00 h

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

ECTS Points = 125.00 h : 25 h/ECTS = **5.00** ECTS

Average: 5.00 ECTS

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| - including the number of ECTS credits for contact hours with the direct participation of an academic teacher | 3.00 ECTS |
| - including the number of ECTS credits for hours of independent work of a student | 2.00 ECTS |