



Course title: INFECTIOUS DISEASE

ECTS credit allocation (and other scores):4

Semester: spring

Level of study: ISCED-7 - second-cycle programmes (EQF-7)

Branch of science: Medical and health sciences

Language: English

Number of hours per semester: 70

Course coordinator/ Department and e-mail: piotr.kocbach@uwm.edu.pl

Type of classes: classes and lectures

---

#### Substantive content

CLASSES: 1. Practical use of sera. 2. HIV – infected patient. 3. Patient with jaundice. 4. Patient with meningitis. 5. Prophylaxis of hospital infections. 6. Patient post tick-borne. 7. Patient bitten by wild animals. 8. Discussing selected infectious diseases

#### LECTURES:

1. Introduction to the course on infectious diseases.
2. Viral hepatitis.
3. Treatment hepatotropic of liver infections.
4. Bacterial and Viral diseases of central nervous system.
5. HIV /AIDS infection.
6. Tropical disease.
7. Tick-borne diseases (Lyme Boreliosis, Tick-borne encephalitis).
8. Rabies and other Rhabdovirus infection, Tetanus, Botulism.
9. Liver diseases (Jaundice, Cirrhosis, Acute liver failure).
10. Post-exposure prophylaxis (occupational and non-occupational).

SEMINAR: 1. Digestive tract infections. 2. Bioterrorism. 3. Specific prophylaxis of infectious diseases. 4. Hemorrhagic fever: Ebola, YF, DHF. 5. Treatment of HIV infection. 6. Parasitic diseases. 7. Pre – and perinatal infections. 8. Skin changes in infectious diseases. 9. Lumbar puncture, Liver biopsy and paracentesis – theoretic background and practice. 10. Fever of unknown origin and travel medicine.

Learning purpose: Acquire the ability to recognize , diagnose and treat infectious diseases.

---

On completion of the study programme the graduate will gain:

#### Knowledge:

W1 - knows the genetic, environmental and epidemiological conditions of the most common diseases

W2 - knows and understands the causes, symptoms, principles of diagnosis and therapeutic treatment in the most common diseases of the nervous system, including in the nervous system infections, in particular meningitis, Lyme disease, herpetic encephalitis, neurotransmission diseases

W3 - knows the epidemiology of infectious and chronic diseases, ways to prevent their occurrence at various stages of the natural history of the disease, and the role of epidemic surveillance

W4 - knows the epidemiology of viral, bacterial, fungal and parasitic infections, taking into account the geographical extent of their occurrence



W5 - knows the impact of abiotic and biotic (viruses, bacteria) environmental factors on the human body and human populations and the ways of their penetration into the human body, describes the consequences of exposure of the human body to various chemical and biological agents and principles of prevention

W6 - knows invasive forms or stages of development of selected parasitic fungal, protozoal, helminths and arthropods, including the geographical extent of their occurrence

W7 - discusses the principles of the parasite-host system and knows the basic disease symptoms caused by parasites

W8 - knows the symptoms of iatrogenic infections, routes of their spread and pathogens causing changes in individual organs

W9 - knows the basics of disinfection, sterilization and septic

Skills: U1 - carry out a medical history with an adult patient

U2 - carry out a full and targeted physical examination of an adult patient

U3 - interprets laboratory tests and identifies the causes of disorders

U4 - Plans to conduct in the case of exposure to blood-borne infection.

U5 - qualifies the patient for vaccination

U6 - Assists in the following procedures and medical procedures: lumbar puncture, liver biopsy, puncture of the peritoneal cavity

U7 - collects information on the presence of risk factors for infectious and chronic diseases and plans preventive actions at different levels of prevention

U8 - Keeps the patient's medical records

U9 - In terms of skills, the graduate is able to assess the epidemiological situation of diseases commonly occurring in the Republic of Poland and the world.

Social Competencies: K1 - In terms of social competence, the graduate is ready to: - establishing and maintaining deep and respectful contact with the patient, as well as showing understanding of ideological and cultural differences; K.1 - guiding the patient's well-being; K.2 - respecting medical confidentiality and patient's rights; K.3 - taking actions towards the patient based on ethical principles, aware of social conditions and restrictions resulting from the disease; K.4 - perceiving and recognizing one's own limitations and self-assessing educational deficits and needs; K.5 - using objective sources of information; K.7 - formulation of conclusions from own measurements or observations; K.8 - implementing the principles of professional camaraderie and cooperation in a team of specialists, including representatives of other medical professions, also in a multicultural and multinational environment; K.9 - assuming responsibility related to decisions taken as part of professional activities, including in the categories of own and other people's safety. K.11

Basic literature:

1) A.S. Fauci, D.L. Kasper, S.L. Hauser, J.L. Jameson, 1. Harrison's 18th Edition, "Principles of Internal Medicine", Part 8, 9, 14 – section 2, 17 – section 2,, wyd. Mc Graw Hill Education, 2012, 2012, t. II

---

The allocated number of ECTS points consists of:

The awarded number of ECTS points is composed of:

1. Contact hours with the academic teacher:

- participation in: classes 40 h.



- participation in: seminar 10 h.
- participation in: lecture 20 h.
- consultation 5 h.

75 h

2. Student's independent work:

5 h.

20 h.

25 h.

1 ECTS point = 25-30 h of the average student's work, number of ECTS points = 100 h : 25 h/ECTS = 4,00 ECTS

on average: 4 ECTS

- including the number of ECTS points for contact hours with direct participation of the academic teacher:  
3,00 ECTS points,

- including the number of ECTS points for hours completed in the form of the student's independent work:  
1,00 ECTS points,