

DESCRIPTION OF THE COURSE OF STUDY

Course code	0912-LEK-C5.1-R	
Name of the course in	Polish	Choroby zakaźne
	English	Infectious diseases

1. LOCATION OF THE COURSE OF STUDY WITHIN THE SYSTEM OF STUDIES

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*	practical
1.5. Specialization*	Lack
1.6. Unit running the course of study	Faculty of Medicine and Health Sciences, The Department of Infectious Diseases
1.7. Person/s preparing the course description	
1.8. Person responsible for the course of study	
1.9. Contact	

2. GENERAL CHARACTERISTICS OF THE COURSE OF STUDY

2.1. Affiliation with the module	Nonsurgical clinical sciences
2.2. Language of instruction	English
2.3. Semesters in which the course of study is offered	8th
2.4. Prerequisites*	microbiology, immunology, pharmacology, epidemiology, rudiments of internal medicine and pediatrics.

3. DETAILED CHARACTERISTICS OF THE COURSE OF STUDY

3.1. Form of classes	LECTURE: 30 h, CLASSES: 15 h, PRACTICAL CLASSES: 20 h	
3.2. Place of classes	Lecture - Courses in the teaching rooms of UJK Classes and seminars – The Departments of Infectious Diseases	
3.3. Form of assessment	Lectures: exam (test); classes: attendance, oral + passing 1 history of the disease + final practical exam	
3.4. Teaching methods	lecture, didactic discussion, case description, practical test	
3.5. Bibliography	Required reading	Bennett JE: Mandell, Douglas and Bennett's Infectious Diseases Essentials, Elsevier Science Publishing Co Inc. 2017 Dennis Kasper, Anthony Fauci, Stephen Hauser, Dan Longo, J. Larry Jameson, Joseph Loscalzo, <i>Harrison's Principles of Internal Medicine, 19e – Part 8. Infectious Diseases</i>
	Further reading	Raphael Dolin, John E. Bennett, Martin J. Blaser, <i>Mandell, Douglas and Bennet's Infectious Diseases Essentials</i> , Elsevier 2016

4. OBJECTIVES, SYLLABUS CONTENT AND INTENDED TEACHING OUTCOMES

4.1. Course objectives (including form of classes)
CI. The student should acquire knowledge in the field of epidemiology, diagnosis, treatment and prevention of infectious and parasitic diseases, with particular emphasis on hepatotropic virus infections, HIV infection and related opportunistic infections, as well as neuroinfection, tropical diseases, zoonoses, fever of unknown cause, about vaccines and sera.

C2. The student should be able to recognize diseases of infectious etiology, know their etiopathogenesis and symptoms to the extent that allows differential diagnosis, determine the final diagnosis, propose initial empirical therapy, and after establishing the diagnosis - targeted therapy (including chemotherapy).

C3. The student should also be able to plan and implement preventive procedures, including those related to occupational exposure.

4.2. Detailed syllabus (*including form of classes*)

Lectures:

1. Epidemiology of Infectious Diseases
2. Hospital-acquired infections and rudiments of Antibiotic Therapy
3. Sepsis and Septic Shock
4. HIV/AIDS
5. Viral Hepatitis
6. Post Exposure Prophylaxis
7. Exanthematosus diseases
8. Parasitic diseases
9. Tetanus, Botulism and Diphtheria
10. Borreliosis and other tick-borne diseases
11. Neuroinfections
12. Influenza. Atypical pneumonia.
13. Tropical Diseases
14. Infections During Pregnancy. Protective vaccinations.
15. Acute Infectious Diarrheal Diseases

Classes and practical classes:

1. Contemporary epidemiological threats and bioterrorism
2. Patients and Medical Staff safety in the Infectious Diseases Department
3. Childhood Infections
4. Zoonotic diseases
5. Differential diagnosis of Infectious Diseases
6. Differential diagnosis of Liver Diseases
7. Respiratory System Infections – diagnosis and treatment
8. Epidemic viral infections with special emphasis on influenza
9. HIV/AIDS – diagnosis, treatment, prevention
10. Cirrhosis and Liver Failure
11. Tropical Medicine
12. Emerging and Re-emerging Diseases
13. Multi Drug Resistance Pathogens – epidemiology and treatment
14. Rudiments of Empiric Antibiotic Therapy
15. Sepsis and Septic Shock. Fever of Unknown Origin – differential diagnosis.
16. Post Exposure Prophylaxis
17. Differential Diagnosis of Rash
18. Lymphadenitis – differential diagnosis
19. Bacterial Toxins – Tetanus, Botulism
20. Viral Hepatitis – diagnosis, treatment, prevention.
21. Infections of the Central Nervous System
22. Health-care Associated Infections
23. Acute Infectious Diarrheal Diseases and Bacterial Food Poisoning

4.3. Education outcomes in the discipline

Code	A student, who passed the course	Relation to teaching outcomes
within the scope of KNOWLEDGE , the graduate knows and understands:		
W01	environmental and epidemiological conditions for the most common diseases;	E.W1.
W02	the causes, symptoms, diagnosis and principles of therapeutic procedures in most common bacterial, viral and parasitic diseases, fungal infections, including pneumococcal infections, viral hepatitis, acquired immunodeficiency (AIDS), sepsis and hospital infections;	E.W34.
W03	the epidemiology of infectious and chronic diseases, how to prevent them from occurring in various stages of the natural history of the disease and the role of epidemiological surveillance;	G.W3.
within the scope of ABILITIES , the graduate knows how to:		
U01	conduct full and targeted physical examination of the adult patient;	E.U3.
U02	assess patient's general condition, consciousness and awareness;	E.U7.
U03	perform differential diagnosis of the most common diseases in adults and children;	E.U12.
U04	assess and describe the somatic and mental state of patients;	E.U13.
U05	recognize states of a direct threat to life;	E.U14.
U06	plan diagnostic, therapeutic and preventive procedures;	E.U16.
U07	conduct analysis of the potential side effects of each drug and the interaction between them;	E.U17.
U08	qualify the patient for home treatment and hospitalization;	E.U20.
U09	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.
U10	interpret laboratory test results and identify the reasons for deviations;	E.U24.
U11	plan treatment in the case of exposure to infection transmitted through blood;	E.U26.
U12	assist when the following procedures and medical treatments are performed: 1) transfusions of blood and blood products, 2) drainage of the pleural cavity, 3) puncture of the pericardium, 4) puncture of the peritoneal cavity, 5) lumbar puncture, 6) needle biopsy, 7) epidermal tests, 8) intradermal and scarification tests and interpret their results;	E.U30.
U13	plan specialist consultations;	E.U32.
U14	comply with the aseptic and antiseptic rules;	F.U3.

4.4. Methods of assessment of the intended teaching outcomes																					
Teaching outcomes (code)	Method of assessment (+/-)																				
	Exam oral/written*			Test*			Project*			Effort in class*			Self-study*			Group work*			Others*		
	Form of classes			Form of classes			Form of classes			Form of classes			Form of classes			Form of classes					
	L	C	...	L	C	...	L	L	C	...	L	C	...	L	L	C	...	L	C	...	L
W01	+			+	+																
W02	+			+	+																
W03	+			+	+			+						+							
U01				+	+			+						+							
U02				+	+			+						+							
U03				+	+			+						+							
U04				+	+			+						+							
U05				+	+			+						+							
U06				+	+			+						+							
U07				+	+			+						+							
U08				+	+			+						+							
U09				+	+			+						+							
10				+	+			+						+							
U11				+	+			+						+							
U12				+	+			+						+							
U13				+	+			+						+							
U14				+	+			+						+							

*delete as appropriate

4.5. Criteria of assessment of the intended teaching outcomes		
Form of classes	Grade	Criterion of assessment
lecture (L)	3	61 – 68 %
	3,5	69-76 %
	4	77-84 %
	4,5	85-92 %
	5	93-100 %
classes (C)*	3	61 – 68 %
	3,5	69-76 %
	4	77-84 %
	4,5	85-92 %
	5	93-100 %
Practical classes*	3	61 – 68 %
	3,5	69-76 %
	4	77-84 %
	4,5	85-92 %
	5	93-100 %

5. BALANCE OF ECTS CREDITS – STUDENT’S WORK INPUT

Category	Student's workload
	Full-time studies
<i>NUMBER OF HOURS WITH THE DIRECT PARTICIPATION OF THE TEACHER /CONTACT HOURS/</i>	65
<i>Participation in lectures*</i>	30
<i>Participation in classes, seminars, laboratories*</i>	35
<i>Preparation in the exam/final test*</i>	
<i>Others*</i>	
<i>INDEPENDENT WORK OF THE STUDENT/NON-CONTACT HOURS/</i>	35
<i>Preparation for the lecture*</i>	20
<i>Preparation for the classes, seminars, laboratories*</i>	15
<i>Preparation for the exam/test*</i>	
<i>Gathering materials for the project/Internet query*</i>	
<i>Preparation of multimedia presentation</i>	
<i>Others*</i>	
TOTAL NUMBER OF HOURS	100
ECTS credits for the course of study	4

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

.....