

SYLLABUS

Academic year 2020/2021

Name of a course / module	Infectious diseases	
Name of a department where course is held	Department of Infectious Diseases and Neuroinfections Department of Infectious Diseases and Hepatology	
E-mail of department	neuroin@umb.edu.pl ; doctors@umb.edu.pl	
Faculty of	Medicine with Division of Dentistry and Division of Medical Education in English	
Name of a field of study		
Level of education	First degree studies, Uniform master's degree studies	
Form of study	full time <input checked="" type="checkbox"/>	part time <input type="checkbox"/>
Language of instruction	Polish <input type="checkbox"/>	English <input checked="" type="checkbox"/>
Type of course	obligatory <input checked="" type="checkbox"/>	facultative <input type="checkbox"/>
Year of study / Semester	I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV <input checked="" type="checkbox"/> V <input type="checkbox"/> VI <input type="checkbox"/>	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input checked="" type="checkbox"/> 8 <input checked="" type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12 <input type="checkbox"/>
Introductory courses with preliminary requirements	biology, microbiology, hygiene and epidemiology, internal medicine, realizing the effects of education regarding knowledge, skills and competences from previous years of the study	
Number of didactic hours with specification of forms of conducting classes	16 h – lectures 40 h – seminars 54h – classes	
Assumptions and aims of the course	<p>Student should acquire knowledge on epidemiology, diagnosis, treatment and prophylaxis of infectious and parasitic diseases, especially hepatotropic viruses, HIV, opportunistic infections, neuroinfections, tropical diseases, zoonotic diseases, bites by venomous animals, fevers of unknown origin, as well as on prophylactic vaccines and sera</p> <p><u>Student should be able to</u> diagnose infectious diseases, know their pathogenesis and symptoms to the degree enabling their differential diagnostics, therapy and chemotherapy, as well as prophylactic procedure, including after an occupational exposition..</p>	
Didactic methods	<ul style="list-style-type: none"> - providing knowledge in a form of a lecture - consultations - discussion - presentation - case description - self study - study of the literature - other practical classes - Afternoon shift 	
Full name of the person conducting the course	employed scientific and teaching staff	
Full name of the person responsible for teaching	Prof. dr hab. Robert Flisiak - Department of Infectious Diseases and Hepatology Prof. dr hab. Sławomir Pancewicz - Department of Infectious Diseases and Neuroinfections Dr Mariusz Łucejko - Department of Infectious Diseases and Hepatology Prof. dr hab. Joanna Zajkowska - Department of Infectious Diseases and Neuroinfections Dr hab. Sambor Grygorczuk - Department of Infectious Diseases and Neuroinfections	
Consultations	Consultations for 4th year English division students are available on every Monday at 13.00-14.00 (please make an appointment first - phone number 85 7409514). Consultations will be carried out by one of the following teachers: prof. dr hab. Joanna Zajkowska, dr hab. Sambor Grygorczuk, dr n. med. Piotr Czupryna	

Symbol and number of learning outcomes according to the teaching standards and other learning outcomes	Description of directional learning outcomes	Form of classes	Verification methods for achieving intended learning outcomes
Knowledge			
E.W1.	knows environmental and epidemiologic background of the infectious diseases	Seminars, classes	<u>Summarizing methods</u> - written examination (single choice test) <u>Forming methods</u> - observation of the student's work - evaluation of the activity in the classroom - assessment of preparation for classes - discussion in class - partial tests - case report
E.W7.	knows and understands causes, symptoms, diagnosis and treatment of common internal diseases in adults and their complications: digestive tract diseases, including diseases of oral cavity, esophagus, stomach, bowels, pancreas, liver, gale bladder and gale duct; dehydration, electrolyte disorders, acidosis and ketosis	Seminars, classes	
E.W32.	knows and understands causes, symptoms, diagnosis, prophylaxis and treatment in common bacterial, viral, parasitic and fungal diseases, including pneumococcal infections, viral hepatitis, AIDS, sepsis and hospital acquired infections;	Seminars, lectures, classes	
E.W14.	knows and understands causes, symptoms, diagnosis and treatment in common central nervous system diseases, including cns infections, especially meningitis, borreliosis, herpes encephalitis, neurotransmission diseases;	Seminars, lectures, classes	
E.W37.	knows types of biologic materials used in laboratory diagnostics and rules of collecting material for diagnostics;	Seminars, classes	
E.W38.	Knows theoretic and practical rules of laboratory diagnostics;	Seminars, classes	
Skills			
E.U1	performs anamnesis in adult patient	Practical classes	<u>Summarizing methods</u> - practical examination <u>Forming methods</u> - observation of the student's work - evaluation of the activity in the classroom - assessment of preparation for classes - discussion in class - partial tests
E.U3	performs full and specific physical examination in adult patient	Practical classes	
E.U12	performs differential diagnostics of the most common diseases in adults and children	Practical classes	
E.U16	plans diagnostic, therapeutic and prophylactic procedures	Practical classes	
E.U17	analyses possible adverse drug effects and drug interactions	Practical classes	
E.U18	proposes individualized approach to treatment guidelines and other treatment methods in case of the ineffectivity or counter-indications to standard treatment	Practical classes	
E.U26	plans procedures in case of exposition to blood-borne infections	Practical classes	
E.U27	qualifies patients to vaccination	Practical classes	
E.U30	Assists in following medical procedures: a) paracentesis, b) lumbar puncture, c) needle biopsy and is able to interpret their results	Practical classes	
E.U32	can plan specialist consultations	Practical classes	
E.U38	can fill in medical documentation	Practical classes	

Social competence			
K1	respects physician-patient privilege and patients' rights	Practical classes	<u>Forming methods</u> - observation of the student's work - discussion in class - opinion of patients and colleagues
K2	is able to cultivate deep and respectful contact with the patient	Practical classes	
K3	is motivated above all by the benefit of the patient	Practical classes	
K4	is able to assess his/her own limitations and continue education	Practical classes	

ECTS points		
Student Workload		
Form of activity	Number of hours to complete the activity	
Classes that require the participation of a teacher		
1. Realization of the course: lectures (according to the curriculum)	16	
2. Realization of the course: classes (according to the curriculum)	54	
3. Realization of the course: seminars; (according to the curriculum)	40	
4. Realization of the course: electives	0	
5. Participation in consultation - exam	3	
	Total hours: 113	
Student self-study		
<i>1 punkt ECTS oznacza 25-30 godzin pracy studenta w różnych formach, takich jak np.:</i>		
1. Preparation for the theoretical and practical classes (realization of projects, documentation, case description etc.)		
2. Preparation for tests/credits		
3. Preparation for an exam/final test-credit		
	Total hours:	

Course contents: <i>proszę wpisać hasłowo tematykę poszczególnych zajęć, pamiętając, aby przekładała się ona na zamierzone efekty kształcenia</i>	
Learning outcomes (symbol and number)	Topics

E.W1. E.W7. E.W32. E.W14. E.W37. E.W38. E.U1 E.U3 E.U12 E.U16 E.U17 E.U18 E.U26 E.U27 E.U30 E.U32 E.U38 K1 K2 K3 K4	<p>Seminars:</p> <ol style="list-style-type: none"> 1. Spirochetal diseases (Neuroborreliosis). Current – sources of information. 2. Lymphocytic meningitis and encephalitis. 3. Lymphadenopathy and fever - diagnostics. 4. Sera and vaccines. 5. Skin changes in infectious diseases 6. Immunology in infectious diseases. 7. Herpesvirus infections. 8. Common and rare respiratory infections. 9. Infectious disease in pregnancy 10. Laboratory diagnostics in infectious diseases. 11. The role of molecular biology. 12. Sepsis. 13. Gastrointestinal infections. 14. Differential diagnosis of liver diseases. 15. Treatment of HIV-associated disease and opportunistic infections. 16. Treatment of infections caused by hepatotropic viruses. 17. Post-exposure prophylaxis. 18. Parasitic diseases. 19. Zoonoses. 20. Viral epidemic diseases with emphasis on influenza. 21. Hospital-acquired infections . 22. Introduction to chemotherapy of infectious diseases (antibacterial, antifungal, antiviral agents) . 23. Fungal infections 24. Cases - HCV-HCC / echinococcosis 25. Cases - CT in COVID-19. 26. Case - Extrahepatic manifestation of HCV infection. 27. Case - Acute portal hypertension after returning from Asia 28. Case - Malaria. 29. Coronaviruses. 30. Case - Ineffective treatment of HCV infection. 31. Case - Elevated ALT activity. 32. Case - Disseminated Kaposi's sarcoma in a patient with AIDS. <p>Lectures:</p> <ol style="list-style-type: none"> 1. Tick-borne diseases. 2. Rickettsial diseases. 3. Central nervous system infections: signs and symptoms. Invasive meningococcal diseases. 4. Zoonotic diseases. 5. Emerging infectious diseases 6. Tropical diseases 7. Viral hepatitis 8. Retroviral disease <p>Exercises:</p> <ol style="list-style-type: none"> 1. HIV-infected patient 2. Dehydration – diagnosis and treatment 3. Patient with viral hepatitis 4. Serologic and microbiologic diagnostics 5. Differential diagnostics in infectious diseases 6. Prophylaxis of hospital infections 7. Sepsis – diagnosis and treatment 8. Discussing selected infectious diseases 9. Lumbar puncture – theoretic background and practice 10. Paracentesis – theoretic background and practice 11. Liver biopsy – theoretic background and practice 12. Unconscious patient 13. Lymphadenopathy – differential diagnosis 14. Infectious diseases during travel 15. Suspicion of haemorrhagic fever. 16. Bioterrorism 17. SIADH 18. Infectious diseases in the elderly 19. Isolation procedures in infectious diseases 20. Immunosuppressed patient 21. Coronavirus / COVID-19 22. Diseases transmitted by lice and fleas
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Obligatory textbook: (1-2 pozycje)

Fauci AS et al. Harrison's Principles of Internal Medicine,
Vol. I, Part 7 – Infectious Diseases, 749-1343
Vol. II, Part 13, Section 2 – Liver and biliary tract disease, 1918-2001.

Optional textbook: (1-2 pozycje)**Criteria for assessing the achieved learning outcomes and the form and conditions for receiving credit:**

Należy określić w szczególności: zasady dopuszczenia do egzaminu, zwalniania z egzaminu, sposób i warunki zaliczenia zajęć, łącznie z określeniem zasad zaliczania nieobecności oraz określeniem liczby godzin nieobecności kwalifikujących do niezaliczenia przedmiotu oraz możliwości i formy wyrównywania zaległości

Criteria for assessing the achieved learning outcomes and the form and conditions for receiving credit:

Examination's grade results from the points obtained in exam:

1. Theoretical exam – test

- a) Receiving credit for two semesters of the course of infectious diseases is a precondition for taking the practical exam (entry in separate registration form).
- a) Is scheduled in summer examination session.
- b) Form of exam – “best of five” multiple choice exam.
- c) Number of questions – 50.
- d) Maximal number of points – 50.

2. Final grade

- a) Results from the points obtained from two exams (max.50)
- b) The following grades are given for examination:
 - unsatisfactory (fail) (2): 0-30
 - satisfactory (3): 31-34
 - fairly good (3,5): 35-38
 - good (4): 39-42
 - better than good (4,5): 43-46
 - very good (5): 47-50

4. EXAM MUST BE PASSED TILL SEPTEMBER 15th 2021, WHAT IS NECESSARY TO PASS THE INFECTIOUS DISEASES

.....
(date and signature of the person preparing the syllabus)

.....
(date and signature of the Head of the
Department where the course is held)

and

.....
(course coordinator)