





Summer Semester													
Department of Infectious Diseases, Liver Diseases and Acquired Immune Deficiencies					15								
Department of Pediatric Infectious Diseases	10				15								
<b>TOTAL per year:</b>													
Department of Infectious Diseases, Liver Diseases and Acquired Immune Deficiencies	15				42								
Department of Clinical Parasitology						3							
Department of Pediatric Infectious Diseases	10				30								
Educational objectives (max. 6 items)													
<b>C1. Diagnostics and treatment of selected infectious diseases – knowledge and skills.</b>													
<b>C2. Knowledge of current epidemiological threats.</b>													
<b>C3. Planned and post-exposure prophylaxis of selected infectious diseases – basic rules.</b>													
<b>C4. Pathology of selected infectious diseases.</b>													
Education result matrix for module/course in relation to verification methods of the intended education result and the type of class													
Number of course education result	Number of major education result	Student who completes the module/course knows/is able to				Methods of verification of intended education results (forming and summarising)	Form of didactic class <i>**enter the abbreviation</i>						
<b>W1</b>	E.W32	The student is supposed to know and understand the causes, symptoms, diagnostic and therapeutic rules as well as prophylaxis of the most common bacterial, viral, parasitic and fungal infections including pneumococcal infections, viral hepatitis, acquired immune deficiency syndrome/AIDS, sepsis and nosocomial infections.				Oral response  Colloquium  (student knows basic principles and knowledge, understands problems and sees connections between them)	CC						



<b>U1</b>	<b>E.U1</b>	The student knows how to gather anamnesis from patients.	Oral response	<b>CC</b>
<b>U2</b>	<b>E.U3</b>	The student knows how to perform full and directed physical examination in patients.	Colloquium	
<b>U3</b>	<b>E.U16</b>	The student knows how to plan diagnostic, therapeutic and prophylactic procedures.	(student knows basic principles and knowledge, understands problems and sees connections between them)	
<b>U4</b>	<b>E.U26</b>	The student knows how to plan post-exposure prophylaxis of blood-borne infections.		

\*\* L - lecture; SE - seminar; AC – auditorium classes; MC – major classes (non-clinical); CC – clinical classes; LC – laboratory classes; SCM – specialist classes (magister studies); CSC – classes in simulated conditions; FLC – foreign language course; PCP practical classes with patient; PE – physical education (obligatory); VP – vocational practice; SS – self-study, EL – E-learning .

Please mark on scale 1-5 how the above effects place your classes in the following categories:  
communication of knowledge, skills or forming attitudes:

Knowledge (W): 3

Skills (S): 4

Student's amount of work (balance of ECTS points)

Student's workload (class participation, activity, preparation, etc.)	Student Workload (h)
1. Contact hours:	100
2. Student's own work (self-study):	85,5
Total student's workload	185,5
ECTS points for module/course	5,5
Comments	

Content of classes (please enter topic words of specific classes divided into their didactic form and remember how it is translated to intended educational effects)

Lectures

**Department of Infectious Diseases, Liver Diseases and Acquired Immune Deficiencies**

1. Re-emerging infectious diseases.
2. Current epidemiological threats. Bioterrorism.
3. Haemorrhagic fevers and new viral diseases.
4. HTLV 1, 2, Herpes, SARS, flu infections.
5. Viral hepatitis: pathogenesis, epidemiology, clinical symptoms, treatment and prophylaxis.
6. Acute liver failure. Etiology, pathogenesis, clinical symptoms, diagnostics, conventional and unconventional modes of treatment.
7. Indications for liver transplantation.
8. Chronic hepatitis and its complications (cirrhosis, failure, neoplasms). Pathogenesis, clinical symptoms, treatment.
9. HIV/AIDS. Viral biology, natural course of infection.
10. Clinical symptoms of HIV/AIDS. Epidemiology, pathogenesis, clinical symptoms, treatment, prophylaxis.



11. Nosocomial infections and their implications. Control of hospital-acquired infections.
12. Antibiotic prophylaxis vs resistance and prophylaxis of nosocomial infections.

Department of Pediatric Infectious Diseases

1. Invasive bacterial infections
2. Respiratory tract infections in children
3. Liver diseases in children
4. Infectious diarrhea in children
5. A child in travel – prophylaxis of tropical infectious diseases

Seminars

Practical classes

**Department of Infectious Diseases, Liver Diseases and Acquired Immune Deficiencies**

1. Chain of infection, spread of infectious diseases. Diagnostics and treatment of infectious diseases. Immunoprophylaxis of infectious diseases. Current epidemiological threats.
2. Biochemical, microbiological, serological and molecular tests – result interpretation and their usefulness in infectious diseases – clinical scenarios (HIV, Toxoplasmosis, Chlamydia pneumoniae, CMV, borreliosis).
3. Differential diagnosis of icteric and non-icteric liver disease.
4. Sepsis/SIRS – pathogenesis, diagnosis and treatment. Good antibiotic practices. Systemic infections (respiratory tract, gastro-intestinal tract, genito-urinary tract, central nervous system) of viral, bacterial and fungal etiology.
5. Tetanus, rabies – prophylaxis and treatment. Tick-borne diseases.
6. Gastro-intestinal infections – pathogenesis, diagnostics, treatment. Diarrhoea in immune compromised patients.
7. Pre- and post-exposure prophylaxis of HIV, HCV and HBV. Harm reduction principles.
8. Neuroinfections – differential diagnosis.
9. Nosocomial infections – clinical picture and prophylaxis.
10. Parasitic diseases.

**Parasitology**

1. cosmopolitan parasitemias in temperate climate,
2. opportunistic parasitemias,
3. travel parasitemias, epidemiology

Department of Pediatric Infectious Diseases

1. Viral rash diseases
2. Bacterial rash diseases
3. Vaccination in children
4. Hepatitis in children
5. HIV infection in children
6. Meningitis in children
7. Lymphadenopathy and splenomegaly
8. Congenital infections – TORCH; repetition and summary, credit test

Self-study

**Department of Infectious Diseases, Liver Diseases and Acquired Immune Deficiencies**

1. Lymphadenopathy – differential diagnosis.
2. Staphylococcal and Streptococcal disease.



3. Tropical diseases. Travel medicine.
4. Parasitic infestations (trichinosis, taeniasis, echinococcosis, ascariasis, threadworm, lamblia, toxoplasmosis, toxocarosis).
5. Vaccination programmes.
6. Exotoxemias.
7. Fever of unknown origin (FUO).
8. Good antibiotic practices.
9. Viral infections (flue, herpes viruses, enteroviruses, HPV).
10. Zoonoses.

Basic literature (list according to importance, no more than 3 items)

1. Emma Nickerson „Infectious Diseases Crash Course”
2. Merck Manual „Infectious Diseases”
3. Harrison's Principles of Internal Medicine „Infectious Diseases”
4. Pediatric Infectious Diseases, ed. Feigin and Cherry
5. The “Red Book” 2018 American Academy of Pediatrics

Additional literature and other materials (no more than 3 items)

1. Sanford, JP Guide to Antimicrobial Therapy – updated yearly
2. <http://www.uptodate.com/home>

Didactic resources requirements (e.g. laboratory, multimedia projector, other...)  
projector, computer, video-recorder, TV-set, protective clothing, student-owned stethoscopes

Preliminary conditions (minimum requirements to be met by the student before starting the module/course)

passed 6th semester, ability to gather anamnesis and direct physical examination, knowledge of basic symptomatology of internal diseases, medical microbiology and immunology.

Conditions to receive credit for the course (specify the form, criteria and conditions of receiving credit for classes included in the module/course, admission terms to final theoretical or practical examination, its form and requirements to be met by the student to pass it and criteria for specific grades).

**For each class students have to come prepared according to the schedule, show active and ethical attitude towards the patients, colleagues and the assistants. Students will receive grades after each class according to the below-mentioned method.**

**Students with extraordinary knowledge of the subject and the ability to associate facts and solve problems as well as showing extraordinary involvement during classes and proper ethical attitude will receive a very good (5,0) grade after the class.**

**Knowledge and involvement at >80% level – good grade after the class.**

**Knowledge and involvement at 50-80% level – satisfactory grade after the class.**

**Students with lack of knowledge, no involvement during classes as well as unethical attitudes will receive a negative grade after the class which will serve as a feedback for him and will be noted in the class notebook after the class.**

**Each absence must be made up during the normal course of classes by joining another group or by preparing presentation or a short clinical/theoretical article as self-study – after obtaining consent from the assistant.**



Conditions to receive credit:

**Department of Infectious Diseases, Liver Diseases and Acquired Immune Deficiencies**

Classes pass based on attendance and passing of oral test after each semester with at least satisfactory note. The test consists of 3 questions, each giving max. 5 points (1 point – for 20% answer, 2 points for 40% answer, 3 points for 60% answer, 4 points for 80% answer, 5 points for 100% answer).

Grade:	Criteria for course
Very Good (5.0)	14-15 points
Good Plus (4.5)	13 points
Good (4.0)	11-12 points
Satisfactory Plus (3.5)	10 points
Satisfactory (3.0)	7-9 points

**Department of Pediatric Infectious Diseases**

> 60 % correct answers in credit test  
 Very Good (5.0) 95-100% of correct final test answers  
 Good Plus (4.5) 90- 94% of correct final test answers  
 Good (4.0) 80-89% of correct final test answers  
 Satisfactory Plus (3.5) 70-79 % of correct final test answers  
 Satisfactory (3.0) 60-69 % of correct final test answers

Admission terms to final examination:

Theoretical exam	Criteria for oral exam in the summer semester (3-4 questions)
grade:	Entry requirements for theoretical exam are passing credits for both semesters.
Very good (5,0)	The student thoroughly and critically analyzes problems in question. Presents shortcomings and advantages of proposed actions. Thoroughly substantiates his decisions and can defend them.
Above good (4,5)	The student analyzes problems and categorizes possible solutions, thoroughly interpreting his knowledge.
Good (4,0)	The student specifies the most important information, discriminates its importance and substantiates his position.
Fairly good (3,5)	The student enumerates facts, illustrates them with examples and solves simple clinical problems.
Satisfactory (3,0)	The student enumerates basic facts and explains their significance.



<b>Name of unit teaching course:</b>	<b>Department of Infectious Diseases, Liver Diseases and Acquired Immune Deficiencies</b>
Address	ul. Koszarowa 5, Wrocław
Phone	71 3957549
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<b>Person responsible for course:</b>	prof. dr hab. Brygida Knysz
Phone	71 3957549
E-mail	<del>brygidaknysz@gmail.com</del> <i>brygida.knysz@umed.wroc.pl</i>

<i>List of persons conducting specific classes:</i>	<i>degree/scientific or professional title</i>	<i>Discipline</i>	<i>Performer profession</i>	<i>Form of classes</i>
Brygida Knysz	prof. dr hab.	Infectious diseases	MD, Head of the Clinic	Classes, lectures
Małgorzata Ingot	dr hab. n. med	Infectious diseases	MD, lecturer	classes
Jacek Gąsiorowski	dr n. med.	Infectious diseases	MD, lecturer	classes
Aleksandra Szymczak	dr n. med.	Infectious diseases	MD, lecturer	classes
Weronika Rymer	dr n. med.	Infectious diseases	MD, lecturer	classes
Bartosz Szetela	dr n. med.	Infectious diseases	MD, lecturer	classes
Marcin Czarnecki	dr n. med.	Infectious diseases	MD, assistant	classes
Katarzyna Fleischer-Stępniewska	dr n. med.	Infectious diseases	MD, lecturer	classes
Martyna Biała	PhD course	Infectious diseases	MD, PhD course	classes
Witold Dobracki	dr n. med.	Infectious diseases	MD, lecturer	classes

Maria Wesołowska	dr n. med.	parasitology	lecturer	classes
Marta Kicia	dr n. przyrodn.	parasitology	lecturer	classes

Leszek Szenborn	prof. dr hab.	Infectious diseases	MD, Head of the Clinic	Classes, lectures
Agnieszka Matkowska-Kocjan	dr n. med.	Infectious diseases	MD, lecturer	classes



Aneta Popiel	lek.	Infectious diseases	MD, lecturer	classes
Katarzyna Tkaczyszyn	lek.	Infectious diseases	MD	classes
Mateusz Biela	lek.	Infectious diseases	MD	classes
Katarzyna Pawlik	lek.	Infectious diseases	MD	classes
Alina Ciach	lek.	Infectious diseases	MD	classes

**Date of Syllabus development**

29. 06. 2019

**Syllabus developed by**

dr hab. n. med. Małgorzata Ingot  
dr n. med. Agnieszka Matkowska-Kocjan  
dr n. med. Bartosz Szetela

**Signature of Head of teaching unit**

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kierownik

prof. dr hab. Brygida Knysz

**Signature of Faculty Dean**

Wrocław Medical University  
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VICE-DEAN FOR STUDIES IN ENGLISH  
Prof. Andrzej Hendrich, PhD