



Distance learning (asynchronous)																			
Summer Semester																			
Direct (contact) education																			
Online learning (synchronous)																			
Online learning (asynchronous)																			
TOTAL per year: 20																			
Direct (contact) education																			
Online learning (synchronous)	20																		
Online learning (asynchronous)																			
Educational objectives (max. 6 items)																			
C1. Expanding students knowledge about most important viruses causing systemic infections in humans.																			
C2. Introduce students to methods of diagnosis of viral infections.																			
C3. Introduce students to epidemiology, treatment and prophylaxis of viral infections.																			
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>															
K1.	C.K12	Graduate is able to lists an classified most important groups of viruses causing systemic infections in humans	Test	SE															
K2.	C.K13	Graduate knows the epidemiology of infections caused by viruses.	Test	SE															
K3.	C.K14	Graduate knows the impact of virus infections on the human body and the population; describes the consequences of exposure of the human body to viral infections and principles of prophylaxis	Test	SE															
K.4	C.K27	Knows the basic mechanisms of cell and tissue damage	Test	SE															
K.5	C.K28	Determines the clinical course of specific and non-specific infections and describes the processes of tissue and organ regeneration;	Test	SE															
K.6	C.K34	Graduate lists clinical forms of the most common human viral	Test	SE															



diseases	
<p>** 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 .</p>	
<p>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: 4 Skills: 2</p>	
Student's amount of work (balance of ECTS points)	
Student's workload (class participation, activity, preparation, etc.)	Student Workload (h)
1. Contact hours:	0
2. Online learning hours (e-learning):	20
3. Student's own work (self-study):	6
Total student's workload	26
ECTS points for module/course	1
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)	
<p>Seminars (10 weeksx 90 min)</p> <ol style="list-style-type: none"> 1. Pathogenesis of viral infections. 2. Orthomyxoviruses. Avian influenza viruses. 3. Viral respiratory tract infections. SARS. 4. Childhood viral infections. 5. Viral hepatitis. 6. Viral gastrointestinal tract infections. 7. Human herpes viruses. 8. Oncogenic viruses. Oncogenesis. 9. Viral blood and central nervous infections. 10. Prophylaxis, treatment, vaccines, antisera. 	
<p>Basic literature (list according to importance, no more than 3 items)</p> <ol style="list-style-type: none"> 1. Medical Microbiology. 8th ed. Murray P.R., Tenover F.C., Tenover K.S. <p>Additional literature and other materials (no more than 3 items)</p> <ol style="list-style-type: none"> 1. Medical Microbiology. 4th ed. Baron S. 2. Principles and Practice of Clinical Virology. 6th ed. Zuckerman AJ, Bantvala JE, Pattison JR. John Wiley and Sons Ltd.. 	
Didactic resources requirements (e.g. laboratory, multimedia projector, other...)	
Computer with camera	
Preliminary conditions (minimum requirements to be met by the student before starting the module/course)	
credit of Microbiology 1	
Conditions to receive credit for the course (specify the form 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)	



Each absence must be made up, including rector's days or dean's hours.

- (a) attendance at all seminars (signing the attendance list at the end of the lecture)
- (b) printing and fulfillment of materials during lectures
- (c) passing written test to get a credit

Grade:	Criteria (only for courses/modules ending with an examination)
Very Good (5.0)	92 – 100% positive answers
Good Plus (4.5)	84-91% positive answers
Good (4.0)	76-83% positive answers
Satisfactory Plus (3.5)	68-75% positive answers
Satisfactory (3.0)	60-67% positive answers
	Criteria (only for courses/modules ending with e credit)

Unit realizing the subject	University of Medicine, Department of Microbiology
Unit address	Chałubińskiego 4 Street, 50 – 346 Wrocław
Telephone	Tel. /071/ 784-12-75; Fax: /071/ 784-01-17
E-Mail	wl-13@am.wroc.pl

Person responsible for module	prof. dr hab. Beata Sobieszczńska, prof.
Coordinator	
Telephone	Tel. 784 – 1 – 08
E-Mail	beata.sobieszczanska@umed.wroc.pl

List of persons conducting specific classes				
Full name	Degree/scientific or professional title	Discipline	Performed profession	Form of classes
Beata Sobieszczńska	Prof. dr hab. n. med. professor	microbiology	specialist in microbiology	seminars
Urszula Walczuk	dr n.med. assistant leader	microbiology biotechnology	specialist in microbiology	seminars

Date of Syllabus development

30.09.2020

Syllabus developed by

dr n. med. Urszula Walczuk



UNIwersYTET MEDYCZNY
IM. PIASTÓW ŚLĄSKICH WE WROCLAWIU

Appendix
to Resolution No. 2186
of Senate of Wrocław Medical University
of 1 July 2020

Signature of Head of teaching unit

Uniwersytet Medyczny we Wrocławiu
KATEDRA I ZAKŁAD MIKROBIOLOGII

kierownik

Gósciński

prof. dr hab. Grażyna Góscińska

Signature of Faculty Dean

Wrocław Medical University
Faculty of Medicine

Wice-Dean for Medical Studies

prof. Beata Sobieszka, PhD

