





TOTAL per year: 20													
Department of Microbiology		20											
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.K26	Knows the basic mechanisms of cell and tissue damage					Test			SE			
K.5	C.K27	Determines the clinical course of specific and non-specific infections and describes the processes of tissue and organ regeneration;					Test			SE			
K.6	C.K33	Graduate lists clinical forms of the most common human viral diseases					Test			SE			
<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:	20
2. 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</p> <ol style="list-style-type: none"> <li>1. Pathogenesis of viral infections.</li> <li>2. Orthomyxoviruses. Avian influenza viruses.</li> <li>3. Viral respiratory tract infections. SARS.</li> <li>4. Childhood viral infections.</li> <li>5. Viral hepatitis.</li> <li>6. Viral gastrointestinal tract infections.</li> <li>7. Human herpes viruses.</li> <li>8. Oncogenic viruses. Oncogenesis.</li> <li>9. Viral blood and central nervous infections.</li> <li>10. Prophylaxis, treatment, vaccines, antisera.</li> </ol>	
<p>Basic literature (list according to importance, no more than 3 items)</p> <ol style="list-style-type: none"> <li>1. Medical Microbiology. 4<sup>th</sup> ed. Murray P.R., Tenover F.C., Tenover M.C., Tenover K.S.</li> </ol> <p>Additional literature and other materials (no more than 3 items)</p> <ol style="list-style-type: none"> <li>1. Medical Microbiology. 4<sup>th</sup> ed. Baron S.</li> <li>2. Principles and Practice of Clinical Virology. 4<sup>th</sup> ed. Zuckerman AJ, Bantvala JE, Pattison JR. John Wiley and Sons Ltd., 2000.</li> </ol>	
Didactic resources requirements Lecture hall, multimedia projector	
<p>Preliminary conditions (minimum requirements to be met by the student before starting the module/course)</p> <p>credit of Microbiology 1</p>	

<p>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)</p> <p>(a) attendance at all seminars (signing the attendance list at the end of the lecture)</p> <p>(b) printing and fulfillment of materials during lectures</p> <p>(c) passing written test to get a credit</p>
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**Each absence must be made up, including rector's days or dean's hours.**

<b>Grade:</b>	<b>Criteria</b> (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

<b>Name of unit teaching course:</b>	University of Medicine, Department of Microbiology
Address	Chahubińskiego 4 Street, 50 – 346 Wrocław
Phone	Tel. /071/ 784-12-75; Fax: /071/ 784-01-17
E-mail	<a href="mailto:wj-13@am.wroc.pl">wj-13@am.wroc.pl</a>

<b>Person responsible for course:</b>	prof. dr hab. Beata Sobieszczkańska, prof. nadzw.
Phone	Tel. 784 – 1 – 08
E-mail	<a href="mailto:beata.sobieszczanska@umed.wroc.pl">beata.sobieszczanska@umed.wroc.pl</a>

<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>
<b>Beata Sobieszczkańska</b>	<b>Prof. dr hab. n. Med.</b> professor	microbiology	specialist in microbiology	lectures, classes
<b>Urszula Walczuk</b>	<b>dr med.</b> assistant leader	microbiology biotechnology	specialist in microbiology	lectures, classes

**Date of Syllabus development**

12.06.2019

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

Uniwersytet Medyczny we Wrocławiu  
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specjalista mikrobiolog  
adiunkt  
Syllabus developed by  
  
dr n. med. inż. Urszula Walczuk  
dr n. med. Urszula Walczuk.

**Signature of Head of teaching unit**

Uniwersytet Medyczny we Wrocławiu  
KATEDRA I ZAKŁAD MIKROBIOLOGII  
kierownik  
  
prof. dr hab. Grażyna Gościński