



Syllabus 2018/2019														
Description of the course														
Module/Course	Virology										Group of detailed education results			
											Group code C	Group name Preclinical sciences		
Faculty	Medicine													
Major	medicine													
Specialties	Not applicable													
Level of studies	Uniform magister studies <b>X</b> * 1 <sup>st</sup> degree studies <input type="checkbox"/> 2 <sup>nd</sup> degree studies <input type="checkbox"/> 3 <sup>rd</sup> degree studies <input type="checkbox"/> postgraduate studies <input type="checkbox"/>													
Form of studies	<b>X</b> full-time <b>X</b> part-time													
Year of studies	II, III					Semester		X Winter <input type="checkbox"/> Summer						
Type of course	<input type="checkbox"/> obligatory <input type="checkbox"/> limited choice <b>X</b> free choice / elective													
Course	<input type="checkbox"/> major <b>X</b> basic													
Language of instruction	<input type="checkbox"/> Polish <b>X</b> English <input type="checkbox"/> other													
* mark <input type="checkbox"/> with an X														
Number of hours														
Form of education														
Unit teaching the course	Lectures (L)	Seminars (SE)	Auditorium classes (AC)	Major Classes – not clinical (MC)	Clinical Classes (CC)	Laboratory Classes (LC)	Classes in Simulated Conditions (CSC)	Practical Classes with Patient (PCP)	Specialist Classes – magister studies (SCM)	Foreign language Course (FLC)	Physical Education obligatory (PE)	Vocational Practice (VP)	Self-Study (Student's own work)	E-learning (EL)
<b>Winter Semester</b>														
	20													
<b>Summer Semester</b>														
<b>TOTAL per year:</b>														
	20													



Educational objectives (max. 6 items)				
<p><b>C1.</b> Expanding students knowledge about most important viruses causing systemic infections in humans.</p> <p><b>C2.</b> Introduce students to methods of diagnosis of viral infections.</p> <p><b>C3.</b> Introduce students to epidemiology, treatment and prophylaxis of viral infections.</p>				
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, oral response	L
K2.	C.K13	Graduate knows the epidemiology of infections caused by viruses.	Test, oral response	L
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, oral response	L
K.4	C.K26	knows the basic mechanisms of cell and tissue damage	Test, oral response	L
K.5	C.K27	determines the clinical course of specific and non-specific infections and describes the processes of tissue and organ regeneration;	Test, oral response	L
K.6	C.K33	Graduate lists clinical forms of the most common human viral diseases	Test, oral response	L
S.1	C.S11	combines images of tissue and organ damage with clinical symptoms of the disease, history and the results of laboratory findings	Test, oral response	L
S.2	C.S10	Is able to interpret the results of viral diagnostic tests.	Test, oral response	L
S.3	C.S15	designs a scheme of rational chemotherapy, empirical and targeted	Test, oral response	L
<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>				



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

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

Student's workload (class participation, activity, preparation, etc.)	Student Workload (h)
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1. Contact hours:	20
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2. Student's own work (self-study):	6
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Total student's workload	26
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<b>ECTS points for module/course</b>	1
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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**

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.

**Seminars - no**

**Practical classes - no**

**Other - no**

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

1. 1. Medical Microbiology. 4<sup>th</sup> ed. Murray P.R., Tenenbaum M.A., Tenenbaum K.S.
2. Medical Microbiology. 4<sup>th</sup> ed. Baron S.
3. Principles and Practice of Clinical Virology. 4<sup>th</sup> ed. Zuckerman AJ, Bantvala JE, Pattison JR. John Wiley and Sons Ltd., 2000.

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

**Didactic resources requirements** (e.g. laboratory, multimedia projector, other...)

Lecture hall, multimedia projector

**Preliminary conditions** (minimum requirements to be met by the student before starting the module/course) no

**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).

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

Attendance on lectures and passing test.



Grade:	Criteria for course
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>	Department of Microbiology University of Medicine
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<b>Person responsible for course:</b>	<b>Prof. dr hab. n. med. Beata Sobieszczńska</b> ; professor; specialist in microbiology
Phone	071/784 – 13 – 08
E-mail	<a href="mailto:beata.sobieszczanska@umed.wroc.pl">beata.sobieszczanska@umed.wroc.pl</a>

List of persons conducting specific classes:	degree/scientific or professional title	Discipline	Performer profession	Form of classes
<b>Beata Sobieszczńska</b>	professor; specialist in microbiology	Microbiology	microbiologist academic tutor	lecture
<b>Urszula Kasprzykowska</b>	dr; specialist in microbiology	Microbiology	microbiologist biotechnologist, academic tutor	lecture

Date of Syllabus development

19.06.2018

Syllabus developed by

dr Urszula Kasprzykowska

Signature of Head of teaching unit

Uniwersytet Medyczny we Wrocławiu  
KATEDRA I ZAKŁAD MIKROBIOLOGII

kierownik  
*Gościński*

prof. dr hab. Grażyna Gościński

Signature of Faculty Dean

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