



Educational objectives (max. 6 items)

- C1. Familiarisation of students with the most important microbes responsible for infections in the oral cavity and periodontium diseases.
C2. Familiarisation of students with the microbiota of the oral cavity.
C3. Familiarisation of students with basic procedures for diagnostic microbiology: proper collection and transport of diagnostic materials, isolation and identification of microbes.
C4. Preparation of students for a proper interpretation of microbiological test results and being able to select an efficient antibiotic therapy.
C5. Familiarisation of students with procedures for infection control in dentistry.

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>
W 01	C.W1 CW2	-to define the microbiota of the oral cavity and opportunistic infections	written test	LC
W 02	C.W3 CW4	-to define oral cavity infections, including their aetiology		
W 03	C.W3 CW6	-to explain procedures for diagnostic bacteriology, virology and micology in the oral cavity.		
W 04	C.W4.W5	Defines alert pathogens and their antimicrobial resistance mechanisms.		
W 05	C.W6.U17	-to define the influence of microbes on tooth decay and periodontium diseases.		
U 01	C.U1 F.U17	-to select a proper sample and a method for its collection and transportation for microbiological testing.	written test	LC
U 02	C.U1	-to prepare a section, stain it, and recognise pathogen groups under a microscope.		
U 03	C.U2 C.U3	-to prepare and carry out antibiotic susceptibility testing according to the adopted procedures.		
U 04	C.U2	-to interpret microbiological testing results, including mechanisms of antimicrobial resistance		
U 05	C.U2	-to design a regimen of effective antimicrobials for infections (empirical and targeted)		
K01 K02 K03		-to demonstrate their self-study skills and habits -to cooperate in a group The necessity to provide for their own health and their co-workers'		LC

** 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: 5 Skills: 4 Social competences: 3	
Student's amount of work (balance of ECTS points)	
Student's workload (class participation, activity, preparation, etc.)	Student Workload (h) 10
1. Contact hours:	
2. Student's own work (self-study):	20
Total student's workload	30
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)	
Lectures --	
Seminars --	
Practical classes <ol style="list-style-type: none"> 1. Characteristics and pathogenicity of fungi. Fungal infections in the oral cavity 2. Oral cavity ecosystem. Collecting and transporting samples from various anatomical locations in the oral cavity (cheek, tongue, dental plaque, periodontal pocket swabs) for microbiological tests. Testing directions ("aerobic" and "anaerobic" cultures). Streaking of students' own samples taken from the oral cavity. 3. Microbiota with particular emphasis on the oral cavity. Endogenous infections. Examination of the cultures from the previous exercise (sections). 4. Influence of the microflora (aerobic and anaerobic) on the pathogenesis of infections in the oral cavity and periodontium diseases. Diagnostics of infections in the oral cavity and periodontium diseases pt 1 (cultures of diagnostic samples) 5. Diagnostics of infections in the oral cavity and periodontium diseases pt 2 (examination of cultures). 	
Other --	
Basic literature (list according to importance, no more than 3 items) <ol style="list-style-type: none"> 1. Essential Microbiology for Dentistry. Lakshman Samaranayake 2. Oral microbiology. PD Marsh, MV Martin 	
Additional literature and other materials (no more than 3 items) <ol style="list-style-type: none"> 1. Medical Microbiology. P.R.Murray, K.S.Rosenthal 	
Didactic resources requirements (e.g. laboratory, multimedia projector, other...) <p>Microbiological laboratory, burners, microscopes, ATB microbe identification system, incubators, overhead projector, multimedia projector, writing boards</p>	
Preliminary conditions (minimum requirements to be met by the student before starting the module/course) <ol style="list-style-type: none"> 1. Attendance at seminars, classes 2. Preparation for classes and seminars according to the syllabus 	



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)

1. Class credit – passing all written tests with a grade of at least satisfactory.
2. Proper attendance and receiving the class credit are required to be able to take the exam.

Grade:	Criteria (only for courses/modules ending with an examination)
Very Good (5.0)	
Good Plus (4.5)	
Good (4.0)	
Satisfactory Plus (3.5)	
Satisfactory (3.0)	

Name and address of module/course teaching unit, contact: telephone and e-mail address

Department of Microbiology
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Coordinator / Person responsible for module/course, contact: telephone and e-mail address

Prof dr hab. Grażyna Gościński phone: 71 784 00 65
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List of persons conducting specific classes: full name, degree/scientific or professional title, discipline, performed profession, form of classes.

laboratory classes:

1. Dr. Ewa Dworniczek

Date of Syllabus development

26.06.2018

Syllabus developed by

dr. Katarzyna Jermakow, dr. Ewa Dworniczek

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

Uniwersytet Medyczny we Wrocławiu
WYDZIAŁ LEKARSKO-STOMATOLOGICZNY
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DS. STUDIÓW W JĘZYKU ANGIELSKIM

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