



Summer Semester													
Direct (contact) education													
Online learning (synchronous)													
Online learning (asynchronous)													
TOTAL per year:													
Direct (contact) education						10							
Online learning (synchronous)													
Online learning (asynchronous)													
Educational objectives (max. 6 items)													
<p>C1. Oral ecology, microbiota and its role, the composition of dental plaque. C2. The etiology of oral cavity diseases and the relationship between homeostasis disorders and systemic Infection. C3. Microbiological diagnosis of oral cavity infections: proper selection, collection and transport of diagnostic materials; isolation and identification of pathogens. C4. Interpretation of the results of microbiological tests and the selection of rational antibiotic therapy. C5. Infection control procedures in dentistry.</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>									
K.1	C.K2	Graduate knows and gives description of the physiological microflora of the mouth	tests, oral response, test exam	LC									
K.2	C.K4	Graduate knows the species of bacteria, viruses and fungi that are the most common etiological agent of infections in oral cavity.		LC									
K.3	C.K20	Graduate knows and understands the principles of viral, bacterial and fungal therapy of infections.		LC									
S1.	C.S1	Student is able to collect proper sample for microbiological examination depending on the location and course of infection	evaluation of the self-made microbiological preparation of oral microorganisms; direct observation of the student during laboratory exercises; oral response	LC									



S2.	C.S2	Student can interpret microbiological examination and antimicrobial susceptibility test results.	direct observation of the student during laboratory exercises; oral response	LC
S3.	C.S3	Student can select and perform proper diagnostic tests for detection and identification of oral cavity infections.		LC
<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: 5 Skills: 4</p>				
Student's amount of work (balance of ECTS points)				
Student's workload (class participation, activity, preparation, etc.)			Student Workload (h)	
1. Contact hours:			10	
2. Online learning hours (e-learning):				
3. 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				
Laboratory classes (5 x 2h)				
<ol style="list-style-type: none"> 1. Fungal infections of the oral cavity. 2. Oral cavity ecology. 3. Microbiota of the oral cavity. Endogenous infections. Interpretation of results of microbiological testing. 4. Laboratory diagnostics of oral cavity infections. Part I. 5. Laboratory diagnostics of oral cavity infections. Part II. 				
Other				
Basic literature (list according to importance, no more than 3 items)				
1. Essential Microbiology for Dentistry. 5 th Edition. Lakshman Samaranayake.				
Additional literature and other materials (no more than 3 items)				
1. Oral Microbiology. 6th Edition. Philip Marsh Michael Lewis Helen Rogers David Williams Melanie Wilson				
Didactic resources requirements (e.g. laboratory, multimedia projector, other...)				
Light microscopes, a dark field microscope (CPW), a fluorescence microscope, incubators, refrigerators, laboratory tables with sinks and gas burners, a system for the identification of microorganisms, multimedia projector.				
Preliminary conditions (minimum requirements to be met by the student before starting the module/course)				



Completion of the 1 st year of studies.
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):
Credit for the 'oral microbiology' course is based on:
- the presence and active participation in laboratory classes,
- preparation for classes according to the program.
- positive results of the class test (open and closed questions, a positive grade $\geq 60\%$ of positive answers).
Each absence should be made up (including the rector days / the dean hours).

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)
Credit	

Grade:	Criteria (examination evaluation criteria)
Very Good (5.0)	
Good Plus (4.5)	
Good (4.0)	
Satisfactory Plus (3.5)	
Satisfactory (3.0)	
Unit realizing the subject	Department of Microbiology , Wrocław Medical University
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Person responsible for module	dr hab. Ewa Dworniczek
Coordinator	dr hab. Ewa Dworniczek
Telephone	71 784 12 96
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List of persons conducting specific classes				
Full name	Degree/scientific or professional title	Discipline	Performed profession	Form of classes
Ewa Dworniczek	dr hab.	medical biology	academic teacher, microbiologist, laboratory diagnostician	laboratory classes

Date of Syllabus development

24.09.2020

Syllabus developed by

dr hab. Ewa Dworniczek
dr n.med. Urszula Walczuk

Signature of Head of teaching unit

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Signature of Faculty Dean

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