

			Sylla	bus fo	r acad	demic	year: 2	2020/2	2021						
				Trai	ning c	ycle: 2	019-2	024							
				De	scripti	on of th	ne cou	rse							
									Gı	Group of detailed education					
   Module/Course			AMEROPORIOLOGY OF THE ORAL CAVITY					re	results						
Module/Course			MICROBIOLOGY OF THE ORAL CAVITY						roup		Group r	name			
			DENTISTRY						cc	ode		•			
Faculty			DENTISTRY												
Major			MEDICINE												
Unit realizing the subje	ect		DEPAR	TMEN	T OF N	1ICROB	IOLOG	Y							
Specialties															
			Unifor	m mag	gister s	tudies	X*								
			1 <sup>st</sup> deg	ree st	udies [										
Level of studies			2 <sup>nd</sup> de	gree st	udies										
			3 <sup>rd</sup> degree studies □												
			postgraduate studies $\square$												
Form of studies			X full-time ☐ part-time												
Year of studies			Seme				ester	ter X Winte							
			3						☐ Summer						
			X obligatory												
Type of course			☐ limited choice												
			☐ free choice / elective												
Course			□ major <b>X</b> basic												
Language of instruction			☐ Polish X English ☐ other												
* mark □ with an X															
						er of ho									
		1			Form	of edu	cation	r				,			
			AC)	Major Classes – not clinical (MC)		()		Practical Classes with Patient (PCP)	– magister	Foreign language Course (FLC)	Physical Education obligatory (PE)	(VP)	nwo		
Unit teaching the			Auditorium classes (AC)	- not	(00)	Laboratory Classes (LC)	Classes in Simulated Conditions (CSC)	s witl	es – r	ge Co	tion o	Vocational Practice (VP)	Self-Study (Student's own work)		
course		(SE)	n clas	sses -	asses	y Clas	Simu s (CS(	Slasse	Class CM)	ngua	ducat	l Prac	(Stud	(EL)	
	Lectures (L)	Seminars (SE)	toriur	or Cla	Clinical Classes (CC)	rator	Classes in Simula Conditions (CSC)	tical (	Specialist Classes · studies (SCM)	ign la	ical E	tiona	Study ()	E-learning (EL)	
	Lecti	Sem	Audi	Majo (MC	Clini	Labc	Class	Prac (PCP	Spec	Fore	Phys (PE)	Voca	Self-St work)	E-lea	
Winter Semester			I										-1		
Direct (contact) education						10									
Online learning													<u> </u>		
(synchronous)															
Distance learning										_					
(asynchronous)		1				1						1	1	1	

Summer Semester	 		 	- 1		1	 		-		 
Direct (contact)											
education											
Online learning											
(synchronous)											
Online learning											
(asynchronous)											
TOTAL per year:											
Direct (contact)				10	)						
education											
Online learning											
(synchronous)											
Online learning											
(asynchronous)							1				

Educational objectives (max. 6 items)

- **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.

# Education result matrix for module/course in relation to verification methods of the intended education result and the type of class

		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  **enter the abbreviation
K.1	C.K2	Graduate knows and gives description of the physiological microflora of the mouth		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.	tests, oral response, test exam	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	LC
\$3.	C.S3	Student can select and perform proper diagnostic tests for detection and identification of oral cavity infections.	the student during laboratory exercises; oral response	LC

<sup>\*\*</sup> 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

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

Student's workload	Student Workload (h)
(class participation, activity, preparation, etc.)	
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)

- 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<sup>th</sup> 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<sup>st</sup> 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 med 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 ≥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	02.4000/ 111
(5.0)	92-100% positive answers
Good Plus	04.040/ '''
(4.5)	84-91% positive answers
Good	76.00%***
(4.0)	76-83% positive answers
Satisfactory Plus	60.75%
(3.5)	68-75% positive answers
Satisfactory	60 670/''
(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 , Wroclaw Medical University
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Person responsible for module	dr hab. Ewa Dworniczek
Coordinator	dr hab. Ewa Dworniczek
Telephone	71 784 12 96
E-Mail	ewa.dworniczek@umed.wroc.pl

List of persons conducting specific classes							
Full name	Degree/scientific or	Discipline	Performed	Form of classes			
	professional title		profession				
			academic teacher,				
Ewa Dworniczek	dr hab.	medical biology	microbiologist,	laboratory classes			
	ui iiab.	Theulcal biology	laboratory	laboratory classes			
			diagnostician				

Date of Syllabus development	Syllabus developed by				
24.09.2020	dr hab. Ewa Dworniczek				
24.09.2020	dr n.med. Urszula Walczuk				
	Signature of Head of teaching unit				
Signature of Faculty Dean					