

1.	Subject	CLINICAL MICROBIOLOGY		
2.	Code	OM 625		
3.	Study Program	General Medicine		
4.	Institution (Unit, Institute, Chair, Department)	Ss Cyril and Methodius University, Medical Faculty, Department for microbiology and parasitology		
5.	Degree of education (first or second cycle)	Integrated 6-year study		
6.	Study year/semester	Sixth (VI) / Eleventh (XI)	7.Number of credits	1
8.	Responsible teacher	Prof. Elena Trajkovska-Dokic, PhD MD		
9.	Preconditions	Obtained credits (past exams) from Microbiology and parasitology 1 and 2		
10.				
11.	<ul style="list-style-type: none"> • Brief content: <ul style="list-style-type: none"> • Introduction to Clinical microbiology and its significance • The relationship between microorganisms and the host with the resulting effects • Etiological causes of infections localized on particular system of the human body and multisystemic infections with their clinical manifestations • Characteristics of intrahospital infections, their discovery, treatment and surveillance • Selection of appropriate sample for microbiological investigation, its transportation, processing and analyzing of the results • Directions for right consumption and surveillance of antimicrobial therapy in treatment of infections • Control and prevention of infections in hospital surroundings and in the community 			
12.	Methods of studying: Interactive theoretical teaching Problem based learning Individual analysis of microbiological results Presentation and discussion on seminars			
13.	Total available time:	30 classes		

14.	Organization of the course	10 classes - theoretical course 5 classes – Practical course 15 classes - home individual learning																			
15.	Forms of teaching activities	15.1.	Theoretical course	10 classes																	
		15.2.	Practical course, Seminars	5 classes																	
16.	Other forms of activities	16.1.	Practice																		
		16.2.	Individual tasks																		
		16.3.	Individual (home) learning	15 classes																	
17.	Method of assessment																				
	17.1																				
	17.2	Seminar paper/project (oral/written presentation)	The student is obliged to participate actively in all anticipated activities, including the continual assessment of knowledge in order to get a signature.																		
			<table border="1"> <thead> <tr> <th rowspan="2">Type of activity</th> <th colspan="2">Points</th> </tr> <tr> <th>Minimum</th> <th>Maximum</th> </tr> </thead> <tbody> <tr> <td>Theoretical course</td> <td>8</td> <td>15</td> </tr> <tr> <td>Practical course</td> <td>30</td> <td>50</td> </tr> <tr> <td>Seminar</td> <td>22</td> <td>35</td> </tr> <tr> <td>Total</td> <td>60</td> <td>100</td> </tr> </tbody> </table>		Type of activity	Points		Minimum	Maximum	Theoretical course	8	15	Practical course	30	50	Seminar	22	35	Total	60	100
Type of activity	Points																				
	Minimum	Maximum																			
Theoretical course	8	15																			
Practical course	30	50																			
Seminar	22	35																			
Total	60	100																			
	17.3	Active participation	1 theoretical lesson = 1 point 1 exercise = 10 points • Attendance -> 4 points • Knowledge -> 6 points Seminar: Microbiological diagnosis of particular clinical entities/syndromes and analysis of microbiological results; Recommendation for appropriate antimicrobial therapy of infections in hospital environment as well as in a community																		
18.	Grading criteria (points / grade)	up to 59 points	5 (five) F																		
		from 60 to 68 points	6 (six) E																		

		from 69 to 76 points	7 (seven) D
		from 77 to 84 points	8 (eight) C
		from 85 to 92 points	9 (nine) B
		from 93 to 100 points	10 (ten) A
19.	Requirement for signature and taking the final exam	Power point presentation of the seminar work (processing of samples, processing of cases, analysis of microbiological results)	
20.	Language of instruction	Macedonian	
21.	Method of monitoring the quality of teaching process	Student anonymous evaluation of the course and teachers and associates participating in teaching performance	
22.	Textbooks		
		Mandatory	
	22.1.	1. Authorized lectures from the Department of microbiology and parasitology	