

STRUCTURAL PROPERTIES OF BACTERIA

1	Course Title:	STRUCTURAL PROPERTIES OF BACTERIA	
2	Course Code:	TMK6001	
3	Type of Course:	Optional	
4	Level of Course:	Third Cycle	
5	Year of Study:	1	
6	Semester:	1	
7	ECTS Credits Allocated:	5.00	
8	Theoretical (hour/week):	2.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	None	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Doç. Dr. AYŞE MELDA PAYASLIOĞLU	
15	Course Lecturers:	Prof DR Cüneyt Özakin, Prof Dr Beyza Ener	
16	Contact information of the Course Coordinator:	Doç. Dr. Ayşe Melda PAYASLIOĞLU BUÜTF Tıbbi Mikrobiyoloji AD pysmelda@uludag.edu.tr	
17	Website:		
18	Objective of the Course:	Which is a major health problem is to recognize micro-organisms that cause infectious diseases	
19	Contribution of the Course to Professional Development:	Preparing for different microorganisms and their laboratory studies	
20	Learning Outcomes:		
		1	To have knowledge concerning the classification of microorganisms
		2	To acquire with basic information about the basic structural characteristics structure of bacteria
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21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	
1	Classification of microorganism		
2	Classification of bacteria		
3	Cell structure of bacteria		
4	Cell wall of bacteria (Gram positive)		

5	Cell wall of bacteria (Gram negative)	
6	Cell wall of bacteria (Peptidoglikan)	
7	Cell wall of bacteria (Teikoik asit, Lipopolisakkarit)	
8	Cell division	
9	Sports,capsules and flagellar structure bacteria investigation	
10	Bacteria comparative analysis	
11	Bacteria without cell walls	
12	Microbiological staining techniques:simple stainig	
13	Examination of bacteria stained; combined paints;Gram and AFS	
14	Electron microskobia	

22	Textbooks, References and/or Other Materials:	Murray PR, Rosenthal KS, Pfaller MA. Medical Microbiology. 6th ed. Philladelphia:Mosby 2010
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23	Assesment	
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TERM LEARNING ACTIVITIES		NUMBER	WEIGHT		
Activites			Number	Duration (hour)	Total Work Load (hour)
Home work-project		1	25.00		
Theoretical		4	50.00	2.00	28.00
Practicals/Labs			0	0.00	0.00
Self study and preperation		3	100.00	2.00	28.00
Homeworks			1	40.00	40.00
Projects			1	50.00	50.00
Contribution of Final Exam to Success Grade			50.00		
Field Studies			0	0.00	0.00
Midterm exams			1	2.00	2.00
Others			0	0.00	0.00
Final Exams			1	2.00	2.00

24 ECTS / WORK LOAD TABLE					
Total Work Load					152.00
Total work load/ 30 hr					5.00
ECTS Credit of the Course					5.00

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	5	5	5	5	5	5	5	5	5	5	5	5	5	5	0	0
ÖK2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	1 very low		2 low		3 Medium		4 High		5 Very High							