

# 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:		
		<b>Course Content:</b>	
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

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

25	<b>CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS</b>															
	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
<b>LO: Learning Objectives    PQ: Program Qualifications</b>																
<b>Contribution Level:</b>	<b>1 very low</b>		<b>2 low</b>		<b>3 Medium</b>		<b>4 High</b>		<b>5 Very High</b>							