	BAC	TERIA	AL GENETICS							
1	Course Title:	BACTER	RIAL GENETICS							
2	Course Code:	TMK500	9							
3	Type of Course:	Optional								
4	Level of Course:	Second (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):	2.00								
10	Laboratory (hour/week):	0								
11	Prerequisites:	None								
12	Language:	Turkish								
13	Mode of Delivery:	Face to f	ace							
14	Course Coordinator:	Prof. Dr.	HARUN AĞCA							
15	Course Lecturers:	Yok								
16	Contact information of the Course Coordinator:	harunago	ca@uludag.edu.tr							
17	Website:									
18	Objective of the Course:	To learn bacteria,	n genetic characteristics of organisms, genetic structures of n, gene transfer mechanisms.							
19	Contribution of the Course to Professional Development:		n bacterial genetics, antibacterial resistance mechanisms istance transmission							
20	Learning Outcomes:									
		1	Learning the genetic mechanisms							
		2	To learn DNA structure and properties							
		3	To learn RNA structure and properties							
		4	To learn gene transfer mechanisms							
		5	To learn the transfer mechanisms of genes that cause antibacterial resistance in bacteria							
		6								
		7								
		8								
		9								
		10								
21	Course Content:									
\\/a=1:	Theoretical	Co	ourse Content:							
	Theoretical Constitution		Practice							
2	Genetic structure DNA structure and properties									
3	DNA structure and properties DNA structure and reproduction in ba	acteria								
4	RNA structure and properties	aciena								
5	DNA and RNA replication mechanisr	ns								
6	Konjugation									
7	Transformation									
	Hansionnauon									

8	Bac	terial	fages	3															
9	Gen	ene transfer mechanisms in bacteria																	
10		Genetic differences in prokaryotes and eukaryotes																	
11	Res	Resistance genes in bacteria 1																	
12	Res	Resistance genes in bacteria 2																	
13	Res	Resistance genes in bacteria 3																	
14	Res	Resistance genes in bacteria 4																	
22	Materials:								İsta 2)	1) Burton's Microbiology for Health Sciences, 10th Edition, İstanbul Tıp Kitabevi 2017, İstanbul, Ed: Orhan Baylan 2) Manual of Clinical Microbiology, 9th Edition, Atlas Kitapçılık 2009, Ankara, Ed: Ahmet Başustaoğlu									
23	Ass	esme	ent																
TERM L	RM LEARNING ACTIVITIES NUMBE							WE	WEIGHT										
Midtern	n Ex	am					1		40.	40.00									
Quiz							0		0.0	0.00									
Home v	Home work-project 0								0.0	0.00									
Final E	Final Exam 1								60.	60.00									
Total	Total 2							100	100.00										
Contribution of Term (Year) Learning Activities to Success Grade						40.	40.00												
Activit	tes								1	Numb	er		Dura	Total V Load (
Measue	ntecrale	nt ar	nd Eva	aluatio	n Tec	hnique	s Use	d in th	е Ма	Miple	choice	exam	2.00			28.00			
Practic									1	14 2.00						28.00			
Self stu	Jdy a	nd p	repera	ation	OAD	TAD	LL		1	14 6.00						84.00			
Homew	vorks	3							C)			0.00			0.00			
Project	ts								C)			0.00	0.00					
Field S	tudie	S							C	0 0.00						0.00			
Midterr	n exa	ams							1	1 4.00						4.00			
Others									C)			0.00			0.00			
Final Exams						1	1 6.00						6.00						
Total V	Vork	Load														150.00			
Total w	Total work load/ 30 hr														5.00				
ECTS	ECTS Credit of the Course														5.00				
25				CON	TRIE	UTIO	N OI				OUTC	OME:	S TO I	PROG	SRAM	ME			
		PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1	PQ11	PQ12	PQ1	PQ14	PQ15	PQ16		

25	QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	5	5	5	0	0	5	0	0	0	0	0	0	0	0	0	0
ÖK3	5	5	5	0	0	5	0	0	0	0	0	0	0	0	0	0
ÖK4	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0

ÖK5	5	5	5	0	0	5	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications Contrib 1 very low 2 low 3 Medium 4 High 5 Very High																
ution Level:	•	, o. ,		•	- 1011		•	viou.	4111		- ing			0 101	,g	