

ANTIBACTERIAL EFFICIENCY AND IN VITRO SENSITIVITY TESTS

1	Course Title:	ANTIBACTERIAL EFFICIENCY AND IN VITRO SENSITIVITY TESTS	
2	Course Code:	BYT6040	
3	Type of Course:	Optional	
4	Level of Course:	Third Cycle	
5	Year of Study:	1	
6	Semester:	2	
7	ECTS Credits Allocated:	6.00	
8	Theoretical (hour/week):	3.00	
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:	Prof. Dr. Cüneyt ÖZAKIN	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	ozakin@uludag.edu.tr, 0224.2954115, Uludağ Üniversitesi tıp Fakültesi Temel Tıp Bilimleri Binası, Tıbbi Mikrobiyoloji Anabilim Dalı, 16059 Nilüfer, Bursa	
17	Website:		
18	Objective of the Course:	Classification of antimicrobials, general mechanisms of action, understanding of the mechanisms of action of certain antibiotic groups, The role of pharmacokinetic and pharmacodynamic properties of antibacterials in their effectiveness, sensitivity and synergy tests, interpretation, mechanism of action of disinfectants and examination of efficacy tests.	
19	Contribution of the Course to Professional Development:	To recognize antibacterial agents, to interpret their mechanisms of action and their efficacy with sensitivity tests.	
20	Learning Outcomes:		
		1	To classify antimicrobials, to learn the mechanism of action of certain antibacterials
		2	To learn the differences in the pharmacokinetic and pharmacodynamic properties of antibacterials and the roles of these properties in their use.
		3	To learn and interpret the standards of antibacterial susceptibility tests
		4	To be able to define the concepts of MİK and MBK, to have an idea about synergy tests
		5	To have knowledge about disinfectant antimicrobials
		6	To have information about the effectiveness tests and stages of disinfectants
		7	
		8	
		9	
		10	
21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	

ÖK3	2	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK4	2	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK5	0	2	1	3	0	0	0	0	0	0	0	0	0	0	0	0
ÖK6	0	2	1	3	0	0	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			