	DIAGNOSTIC I	ИЕТНО	ODS IN MICROBIOLOGY							
1	Course Title:	DIAGNO	OSTIC METHODS IN MICROBIOLOGY							
2	Course Code:	BYT500	8							
3	Type of Course:	Optional								
4	Level of Course:	Second	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:	To be su Concept	accessful in Diagnostic Methods in Microbiology - Basic							
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:	Prof. Dr. Cüneyt ÖZAKIN ozakin@uludag.edu.tr, 0224.2954115, Bursa Uludağ Üniversitesi Tıp Fakültesi Temel Tıp Bilimleri Binası, Tıbbi Mikrobiyoloji Anabilin Dalı, 16059 Nilüfer, Bursa								
17	Website:									
18	Objective of the Course:	To learn about fast, automated identification and sensitivity test methods, systems, molecular diagnosis and epidemiological analysis techniques in microbiology and to make applications specific to their areas of use.								
19	Contribution of the Course to Professional Development:	Integrating theoretical knowledge with clinical laboratory practice.								
20	Learning Outcomes:									
		1	To know the methods used for diagnosis in microbiology;							
		2	To be able to select and apply the appropriate diagnostic method for microbiological diagnosis;							
		3	To interpret the results obtained from the diagnostic methods;							
		4	To be able to compare microbiological diagnostic methods;							
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21	Course Content:									
		Co	ourse Content:							
Week	Theoretical		Practice							
1	Direct Diagnosis in Microbiology- Mi Diagnosis; Light Microscopy and Ele Microscopy									

2						iology- neir ide												
3		Direct Diagnosis in Microbiology- Culture; Gram negative bacilli and their definitions																
4	Direct Diagnosis in Microbiology- Culture; Gram positive bacilli and their definitions																	
5	Direct Diagnosis in Microbiology- Culture; Gram positive bacilli and their definitions																	
6		ct Di		is in N	/licrob	iology-	Nucle	eic										
7		ct Di		is in N	/licrob	iology-												
8	Malo	di TC	F MS	metho	od													
9	Flow	/ Cyt	ometr	y Meth	nods													
10	Indirect Diagnosis in Microbiology- Antigen and Antibody																	
11				osis in Aggluti		biolog	y-											
12		Indirect Diagnosis in Microbiology- Neutralization, Complement fixation test																
13	Indirect Diagnosis in Microbiology- Enzyme Immuno Assay (EIA, ELISA, ELFA)																	
14				osis in scent r		biolog ds	y-											
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Total v	otal work load/ 30 hr								\rightarrow	0.00						6.00		
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ÖK4	1	3	4	2	2	2	2	4	1	1	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	ution			2 low			3 Medium			4 High			5 Very High			