SEROLOGICAL TESTS								
1	Course Title:	SEROLO	GICAL TESTS					
2	Course Code:	TİM5007						
3	Type of Course:	Optional						
4	Level of Course:	Second (Cycle					
5	Year of Study:	1						
6	Semester:	1						
7	ECTS Credits Allocated:	6.00						
8	Theoretical (hour/week):	1.00						
9	Practice (hour/week):	4.00						
10	Laboratory (hour/week):	0						
11	Prerequisites:	None						
12	Language:	Turkish						
13	Mode of Delivery:	Face to f	ace					
14	Course Coordinator:	Prof. Dr.	BARBAROS ORAL					
15	Course Lecturers:	Doç. Dr.	Ferah BUDAK					
16	Contact information of the Course Coordinator:	Uludağ Üniversitesi, Tıp Fakültesi, İmmünoloji Anabilim Dalı, 16059, Nilüfer, BURSA E-posta: oralb@uludag.edu.tr Tel: 2954114						
17	Website:							
18	Objective of the Course:	The aim understa and the a	of this course is to provide the student with an nding the most commonly used immunological methods aim and theory behind those techniques.					
19	Contribution of the Course to Professional Development:	of the Course to Development:						
20	Learning Outcomes:							
		1	To gain information and skills needed for application of basic immunological laboratory tests					
		2	To provide immunological knowledge for evaluating basic immunological laboratory tests					
		3						
		4						
		5						
		6						
		7						
		8						
		9						
		10						
21 Course Content:								
	Course Content:							
Week			Practice					
1	Features of antigen-antibody reaction	าร	Laboratory regulations: Laboratory requisites and equipments					
2	Incomplete antibodies, prezone phen non-specific anamnestic reaction	iomenon,	Admisson, preparation and storage of laboratory samples					
3	Direct agglutination tests		Slide agglutination tests					

4	Indirect	ndirect agglutination tests						Dir	Direct aglutination tests (Grup agglutination)								
5	Tests us	ests used for blood group typing						Dir	Direct microagglutination tests (Tularemi agglutination)								
6	Hemagg inhibitior inhibitior	Hemagglutination, hemagglutination nhibition, hemadsorption and hemadsorption nhibition tests						וH <i>ו</i>	IHA tests (Syphilis IHA)								
7	Precipita	ecipitation tests						VE	VDRL								
8	Compler	Complement fixation tests						Co	Complement fixation tests (Mycoplasma CF)								
9	Evaluati	valuation and reporting of Serological tests					Ev	Evaluation and reporting of serological tests									
10	Nephelo	phelometric tests						Ne	Nephelometric tests (ASO, CRP)								
11	Immuno	blotting	g tests	;				EB	V pan	el							
12	ELISA a	LISA and micro ELISA					Mi	cro EL	ISA tes	sts (H p	ylori Ig	G and	IgA ELI	SA)			
13	Chemilu immuno assay (E	hemiluminoscence, microparticul nmunoassay, enzyme linked fluorescent ssay (ELFA)						EL	ELFA tests (CMV IgG, IgA and avidity tests)								
14	Fluoreso	uorescant-antibody tests					Au	Autoantibody tests (ANA test)									
22	Textbooks, References and/or Other Materials:						1. Mo	1. Abbas A.K., Lichtman A.H., Pillai S."Cellular and Molecular Immunology", Elsevier Saunders Elsevier, 8th									
Activites						1	Number [Dura	Duration (hour)		Total Work Load (hour)				
Theore	tical							La	Laboratory Perspective", E.A. Davis Compa				h∳;9nd e	dition			
Practica	als/Labs							1	14 4.0			4.00	0 56.00				
Selfstu	dy and p Assesm	repera ent	ation					_	14			4.00	4.00 56.0				
Homeworks					Ę	5			8.00	8.00		40.00					
Project	S					R		(0			0.00			0.00		
Field Studies						(0			0.00	0.00			0.00			
Midtern	Midferm exams 0						0.6	0.00			0.00	0.00					
Others						(0			0.00	0.00			0.00			
FINAI E	FINAL EXAMs 1					50	5400			10.00	10.00			10.00			
Total Work Load					150					176.00							
Contraction of the second seco					50	50.00					5.87						
ECTS Credit of the Course					-150	6.00											
Total						10	100.00										
Measu	rement a	nd Eva	aluatio	n Tec	hnique	s Use	d in th	ne									
24	ECTS	/ WO	RK L	OAD	TAB	LE											
25	25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1	PQ11	PQ12	PQ1	PQ14	PQ15	PQ16	
ÖK1	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	
ÖK2	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	
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LO: Learning Objectives PQ: Program Qualifications										
Contrib ution Level:	1 very low	2 low	3 Medium	4 High	5 Very High					