	CELLULAR ANI	D MOL	ECULAR IMMUNOLOGY						
1	Course Title:	CELLUL	AR AND MOLECULAR IMMUNOLOGY						
2	Course Code:	TMi6002							
3	Type of Course:	Compuls	sory						
4	Level of Course:	Third Cy	cle						
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 f	ace						
14	Course Coordinator:	Doç.Dr. l	FERAH BUDAK						
15	Course Lecturers:	Prof. Dr.	Güher GÖRAL, Prof. Dr. H. Barbaros ORAL						
16	Contact information of the Course Coordinator:	İmmünol	Öniversitesi, Tıp Fakültesi, Tıbbi Mikrobiyoloji Anabilim Dalı, oji Bilim Dalı, 16059, Nilüfer, BURSA fbudak@uludag.edu.tr 4134						
17	Website:								
18	Objective of the Course:	and mole	rse is aimed to provide the student to comprehend cellular ecular immune mechanisms involved in immune functions lation and immunopathogenesis of diseases.						
19	Contribution of the Course to Professional Development:								
20	Learning Outcomes:								
		1	To gain detailed information about tissues and cells of immune system and their functions						
		2	To comprehend molecular mechanisms of innate and adaptive immune system						
		3	To comprehend knowledge about immunopathogenesis of various diseases at cellular and molecular levels						
		4	To gain cellular and molecular immunological information which provide aid for performing and evaluating advanced immunological laboratory tests						
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		6							
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24	Course Content:	10							
21	Course Content:	0-	urco Contonti						
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3	Antigen Processing and presentation Antigen receptors of B and T lymphocyte and																		
4	accessory molecules								J										
5		ngen	nent	and e		and the sion of		en											
6	T lymp	yte a	ctivat	ion															
7	B lymp			ctivat	ion ar	nd antik	oody												
8	Efector functions and cellular and humoral immunity																		
9	Hypersensitivity reactions																		
10	Immui	nolog	jical	tolera	nce a	nd auto	oimmı	unity											
11	Immunity to microbes																		
12	Transplantation immunology																		
13	Tumor immunology																		
14	Conge	enital	and	acqu	ired ir	mmune	defic	iencie	S										
22										1. Abbas A.K., Lichtman A.H., Pillai S."Cellular and Molecular Immunology", Saunders Elsevier, 8th edition (2012). 2. Rich R.R., Fleisher T.A., Shearer W.T., Kotzin B.L., Schroeder Jr H.W., "Clinical Immunology: Principles and Practice", Mosby International Ltd., 3rd edition (2008). 3. Stevens C.D. "Clinical Immunology & Serology:									
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25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																		
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