MOLECULAR CELL BIOLOGY									
1	Course Title:	MOLECULAR CELL BIOLOGY							
2	Course Code:	TTB6001							
3	Type of Course:	Compulsory							
4	Level of Course:	Third Cycle							
5	Year of Study:	1							
6	Semester:	1							
7	ECTS Credits Allocated:	5.00							
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. ÜNAL EGELİ							
15	Course Lecturers:	Prof. Dr. Berrin TUNCA Doç.Dr.Gülşah ÇEÇENER							
16	Contact information of the Course Coordinator:	egeli@uludag.edu.tr 0224 295 41 51 ULUDAĞ ÜNİVERSİTESİ TIP FAKÜLTESİ TIBBİ BİYOLOJİ ANABİLİM DALI							
17	Website:								
18	Objective of the Course:	Learning basic consepts of molecular content of cell, structure and function of organels and linking between other subjects, making clinical approach possible and easier.							
19	Contribution of the Course to Professional Development:								
20	Learning Outcomes:								
		1	Understanding basic consepts of cell biology.						
		2	Recognizing cell organels and understanding their functional relationship.						
		3	Understanding the molecular alterations in the cell and linking to related diseases.						
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		5							
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		9							
04	Course Content	10							
21	Course Content:	<u> </u>	ureo Contenti						
W/acli	Theoretical	CC	Durse Content:						
vveek	Theoretical Cell Structure		Practice						
		0							
2	Molecular structure of cell membrane	е							

-	Molecu functior	lecular structure of cell skeleton and ctions															
4	Molecular structure of endoplasmic reticulum and golgi																
5	Molecu	Molecular structure of ribosomes															
6	Molecu	Molecular structure of lysosomes															
7	Synthesis of lysosome enzymes																
8		Synthesis of proteins which are exporting out of the cell						t									
9		Mitochondria, mitochondrial DNA and cytoplasmic heredity															
10		Molecular structure of nucleus and biogenesis of chromosomes						is									
11	Transporting mechanisms of proteins which will use in mitochondria and nucleus																
12	Cell cycle and control mechanisms																
13	Molecu	lar stru	cture c	of mitc	osis												
14	Molecular structure of meiosis, genetic structure of sperm and ovum, and fertilization																
22	Textbo	oks. Re	ferenc	es an	d/or O	ther		M	olecula	r Biolo	av of th	e Cell. /	Alberts	s. Garla	nd Scier	nce	
	Textbooks, References and/or Other Materials:					Molecular Biology of the Cell, Alberts, Garland Science											
								Molecular Cell Biology, Lodish, WH Freeman and Company									
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Activit	Activites					I	Number			Duration (hour)							
														nour)			
TERM LEARNING ACTIVITIES NUMBE						: <b>  V</b> I	WEIGHT			3.00			42.00				
Practicals/Labs							0				0.00			0.00			
Selfzstudy and preperation 0								0.00				4.00			56.00		
Homeworks								5				9.00			45.00		
	Pingie Esam 1								100.00				0.00			0.00	
-									0			0.00			0.00		
	en Studies ମୁମ୍ମନାଉନ୍ନେଡାନTerm (Year) Learning Activities to								0.00				0.00			0.00	
Others									1			5.00			5.00		
	In Exam to Success Grade						10	100.00			2.00			2.00			
	otal Work Load														150.00		
	Reasurement and Evaluation Techniques Used in the											5.00					
	ECTS Credit of the Course											5.00					
	ECTS			OAD	TAB	LE											
25			CON	TRIE	BUTIC	N OI	F LE/	ARN	IING	ουτα	OME	S TO P	PROC	GRAM	ME		
25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																	
	PO	1 PQ2	PO3	PO4	PO5	POG	PO7	POS	PQ9	PO1	PQ11	P012	PQ1	PQ14	PQ15	PQ16	
				1 944	1 60	1 620	1 647	1 40		0			3				
ÖK1	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ÖK2	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ÖK3	5	5	0	0	0	3	0	0	0	0	0	0	0	0	0	0	
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	LO: Learning Objectives PQ: Program Qualifications										ım Qu						

Contrib ution	1 very low	2 low	3 Medium	4 High	5 Very High
Level:					