MOLECULAR GENETICS									
1	Course Title:	MOLEC	JLAR GENETICS						
2	Course Code:	MBG3001-BH							
3	Type of Course:	Compuls	sory						
4	Level of Course:	Third Cy	cle						
5	Year of Study:	0							
6	Semester:	0							
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:								
12	Language:	Turkish							
13	Mode of Delivery:	Face to f	face						
14	Course Coordinator:	Prof. Dr. SEZAİ TÜRKEL							
15	Course Lecturers:								
16	Contact information of the Course Coordinator:	sturkel@uludag.edu.tr							
17	Website:								
18	Objective of the Course:	To teach structure, expression and control mechanisms of genes in different organisms and organelles.							
19	Contribution of the Course to Professional Development:	Knows gene structures and expresssion							
20	Learning Outcomes:								
		1	Learns gene structures						
		2	Learns molecular mechanisms of gene regulations						
		3	Learns control mechanisms of gene expressions in different organisms						
		4							
		5							
		6							
		7							
		8							
		9							
		10							
21	Course Content:								
		Co	ourse Content:						
	Theoretical		Practice						
1	Introduction, DNA structure and pack								
2	Genome organization in different organisms								
3	Basic principles of transcription and l polymerases								
4	Control mechanisms of transcription different gene groups in eukaryotes -	·1							
5	Control mechanisms of transcription different gene groups in eukaryotes -								

6	RNA processing and localization									
7	Gene structure and organizations i and control mechanisms of gene e									
8	The genetic code. Introduction to the	ranslation								
9	Mechanisms of translational contro	ol	T							
10	Genome organization in organelles mechanisms of gene expression in mitochondria nad chloroplast									
11	protooncogenes and their cellular f	unctions								
12	post translational reglation mechar its significance	nisms and								
13	Gene structure and organization in viruses, control mechanisms of genexpression in viruses-1									
14	Gene structure and organization in viruses, control mechanisms of genexpression in viruses-2									
22	Textbooks, References and/or Oth Materials:	er	Ü 2 2 3 8	1- Genomlar 3: T.A. Brown., Çeviri editörü: F. Bardakçı, C. Ülger. 2015 (İngilizce/Türkçe) Barkod (ISBN): 978-605-320-207-3 2- Lewin's Genes XII. (İngilizce) Barkod: 13: 978-1-284-10449-3 3- Moleküler Biyoloji, Editör . Prof.Dr. M Karataş (Türkçe) Barkod: 978-605-88012-7-1 4- Temel Moleküler Biyoloji, Lisabeth A. Allison. Çeviri						
Activit	tes			Number	Duration (hou	r) Total Work Load (hour)				
Theore	ical Assesment			14	3.00	42.00				
	als/Labs			0	0.00	0.00				
Self stu	udy and preperation	R		14	7.00	98.00				
Homew	vorks			0	0.00	0.00				
Pttijects 0				0 0	0.00	0.00				
Field S	tudies			0	0.00	0.00				
Mindel	Nams	1	6) 100	15.00	15.00				
Others				0	0.00	0.00				
Cuana	extings of Term (Year) Learning Activ	ities to	4	0100	25.00	25.00				
	Vork Load					195.00				
Yotar W	oution of Final Exam to Success Gra	e	0	0.00		6.00				
	Credit of the Course					6.00				
Measur Course	rement and Evaluation Techniques	Used in th	ne N	lidterm and final	exam scores determine	es the final grade				
24	ECTS / WORK LOAD TABL	E								
25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS										

QUALIFICATIONS PQ1 PQ2 PQ3 PQ4 PQ5 PQ6 PQ7 PQ8 PQ9 PQ1 PQ11 PQ12 PQ1 PQ14 PQ15 PQ16 ÖK1 ÖK2

ÖK3	2	4	3	4	2	3	4	5	5	5	0	0	0	0	0	0
LO: Le Contrib 1 very low ution Level:		1	ing C 2 low	bjec		s P Medi			m Qu 4 Higl				y High			