GENETICS II LAB									
1	Course Title:	GENETI	GENETICS II LAB						
2	Course Code:	BYL3052							
3	Type of Course:	Compulsory							
4	Level of Course:	First Cycle							
5	Year of Study:	3							
6	Semester:	6							
7	ECTS Credits Allocated:	2.00							
8	Theoretical (hour/week):	0.00							
9	Practice (hour/week):	0.00							
10	Laboratory (hour/week):	2							
11	Prerequisites:	None							
12	Language:	Turkish							
13	Mode of Delivery:	Face to face							
14	Course Coordinator:	Prof. Dr. NİLÜFER ÇİNKILIÇ							
15	Course Lecturers:	Prof. Dr. Tolga ÇAVAŞ Prof. Dr. Nilüfer ÇİNKILIÇ Prof. Dr. Serap ÇELİKLER KASIMOĞULLARI Doç. Dr. Özgür VATAN							
16	Contact information of the Course Coordinator:	Uludağ Üniversitesi Fen-Edebiyat Fakültesi Biyoloji Bölümü Görükle Kampüsü, Nilüfer/BURSA 16059 e-posta: tcavas@uludag.edu.tr Telefon: 0 224 294 1869 Uludag University Faculty of Arts and Science Department of Biology Gorukle Campus, Nilufer/BURSA 16059 e-mail: tcavas@uludag.edu.tr Phone: 0 224 294 1869							
17	Website:								
18	Objective of the Course:	The course will provide practices of the Genetics II lecture and will support students' theoretical learnings.							
19	Contribution of the Course to Professional Development:	January Control of the Control of th							
20	Learning Outcomes:								
		1	Knowledge of the molecular methods of genetic analysis						
			Analyze and interpret the experimental results						
			To gain the ability to transfer which clearly and accurately the results of experiments						
		4	To gain the ability to use current information						
		5							
		6							
		7							
		8							
		9							
	10								
21	Course Content:								
	Course Content:								

Week	Theoret	tical						Р	ractice	;							
1							G	General Laboratory Rules									
2									Investigation Of Prokaryotic DNA								
3									Investigation Of Prokaryotic Eukaryotic DNA								
4									olytene	Chron	nosome	s					
5									NA Rep	olicatio	n And	SCE Ar	nd FISH	1			
6								М	idterm	Exam,	repeati	ng lectu	ıre				
7									DNA Extraction And Determinig Of DNA SpectrumAgarose Gel Electrophoresis of DNA								
8								Р	PCR, RFLP And PAGE								
9								С	Chromosome Banding								
10									Gen Regulation: Lac Operon İn E. Coli								
11									A) Chromatography Of Eye Pigments İn Drosophila, B) Conditional Mutants İn Yeasts								
12							FI	Fluctuation Tests.									
13											Physica						
14							Q	Quantitative And Polygenic Inheritance									
22	Textbooks, References and/or Other Materials:							G	Genetik Lab. Uygulama kılavuzu.								
23	Assesment																
	EARNING	3 ACTI	VITIES	;		IN	IUMBE	Ξĺw	EIGHT			1_	/				
Activites							Number			Dura	Duration (hour)			Load (hour)			
Home	VSRk-proj	ect				1	3	10	10.00			0.00			0.00		
Practicals/Labs							14			2.00			28.00				
Self-study and preperation 18							1(	100.00			0.00			0.00			
Homeworks							13			1.00			13.00				
Ридеень Grade								0			0.00			0.00			
	Field Studies								0			0.00				0.00	
	/lietterm exams							10	100.00			9.00			9.00		
Others	·								0		0.00			0.00			
	MSExams								1			12.00	12.00			12.00	
	ork Load														71.00		
	ork load/ Credit of		urco												2.07		
	Jiedit of																
25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16	
ÖK1	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	
ÖK2	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	
ÖK3	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	
ÖK4	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	
		<u>.                                    </u>	LO: L	.earr	ning C	bjec	tives	<u> </u>	PQ: P	rogra	m Qu	alifica	tions	·	•	•	
LO: Learning Objectives PQ: Program Qualifications																	

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