	GENETICS II LAB									
1	Course Title: 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 t	face							
14	Course Coordinator:	Prof. Dr.	NİLÜFER ÇİNKILIÇ							
15	Course Lecturers:	Doç.Dr. Nilüfer ÇİNKILIÇ Doç.Dr.Serap ÇELİKLER Doç.Dr. Tolga ÇAVAŞ								
16	Contact information of the Course Coordinator:	rbilal@uludag.edu.tr. 0224 2941783 U.Ü. FEF Biyoloji Bölümü Görükle Kampüsü BURSA								
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:									
20	Learning Outcomes:									
		1 Knowledge of the molecular methods of genetic and								
		2	Analyze and interpret the experimental results							
		3	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:									
	Theoretical		Practice							
1			General Laboratory Rules							
2			Investigation Of Prokaryotic DNA							
3			Investigation Of Prokaryotic Eukaryotic DNA							
4	Polytene Chromosomes									
5			DNA Replication And SCE And FISH							

6			Midtorm Evam ro	posting locture							
7			Midterm Exam, repeating lecture DNA Extraction And Determining Of DNA SpectrumAgarose								
′ ′			Gel Electrophoresis of DNA								
8			PCR, RFLP And	PAGE							
9			Chromosome Ban	ding							
10			Gen Regulation: L	ac Operon İn E. Coli							
11			A) Chromatograph Conditional Mutan	ny Of Eye Pigments İn Dr ts İn Yeasts	osophila, B)						
12			Fluctuation Tests.								
13			Chemical And Phy	sical Mutagenesis							
14			Quantitative And F	Polygenic İnheritance							
22	Textbooks, References and/or Other Materials:		Genetik Lab. Uygulama kılavuzu.								
23	23 Assesment										
TERM L	EARNING ACTIVITIES	NUMBE R	WEIGHT								
Midtern	n Exam	1	20.00								
Quiz		3	10.00								
Home v	work-project	13	10.00								
Final E	xam	1	60.00								
Total		18	100.00								
Activit	es		Number	Duration (hour)	Total Work Load (hour)						
Tb eΩre	tical		100.00	0.00	0.00						
Practica	als/Labs		14	2.00	28.00						
Se#rse	dy and preperation		О	0.00	0.00						
Homew	vorks		13	1.00	13.00						
Project	s		0	0.00	0.00						
Field S	tudies		0	0.00 0.00							
Midtern	n exams		1	9.00 9.00							
Others			0 0.00 0.00								
Final E	xams		1 12.00 12.00								
Total W	Vork Load				71.00						
Total w	ork load/ 30 hr				2.07						
ECTS (Credit of the Course				2.00						
25	25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS										

25		CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS														
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	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
LO: Learning Objectives PQ: Program Qualifications																

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