	POPU	JLATI	ON GENETICS						
1	Course Title:	POPULA	ATION GENETICS						
2	Course Code:	BIO6204							
3	Type of Course:	Optional							
4	Level of Course:	Third Cy	cle						
5	Year of Study:	1							
6	Semester:	2							
7	ECTS Credits Allocated:	5.00							
8	Theoretical (hour/week):	3.00							
9	Practice (hour/week):	0.00							
10	Laboratory (hour/week):	3							
11	Prerequisites:	None							
12	Language:	Turkish							
13	Mode of Delivery:	Face to	face						
14	Course Coordinator:	Doç.Dr.	SERAP ÇELİKLER KASIMOĞULLARI						
15	Course Lecturers:	Doç.Dr.	Serap ÇELİKLER						
16	Contact information of the Course Coordinator:	0 224 29 41783 / e-posta: rbilal@uludag.edu.tr							
17	Website:								
18	Objective of the Course:		ourse the aim is to teach the mechanism to affect the changes in population.						
19	Contribution of the Course to Professional Development:								
20	Learning Outcomes:								
		1	To comprehend the relation between species and population gemetics and evolution						
		2	Gaining to analyse and understand the genetic problems at the population level						
		3	To have the skills to construct the scientific study with statistical analysis						
		4	To be able to interpret the data from results and field studies and link these with the current literature						
		5	To contribute to the science of biology by publishing an national/international platforms						
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		10							
21	Course Content:								
		Co	ourse Content:						
Week			Practice						
1	Introduction to population genetics								
2	Genetic structure of population								
3	Fitness cooperatives								
4	Selection systems in one gene syste	m							

5 6 7	Natural locus	select	ion in														
			ion in	multip	l allele	s in oı	ne										
7	Selection	ore g	ene sy	stems	;												
	Selection types	tive ch	naracte	ers and	d their												
8	Mutation	and n	nutatio	n-sel	ection l	baland	се										
9	Migration drive me			of gam	netes, a	and m	eiotic										
10	Genetic	drift ar	nd neu	itral al	lleles												
11	Genetic chromos																
12	Genetic level)	m (pro	otein a	nd DN	IA												
13	Genetic																
14	Species	and b	reed ir	nduction	on												
22	Textbooks, References and/or Other Materials:							J F Ev M. CV	D. Sperlich, Populationsgenetik, GFV. J Rougarden, Theory of Population Genetics and Evolutionary Ecology, Prentice Hall M. Ridley, Evolution, Blackwell Sci. Publ. CW Fox and JB Wolf, Evolutionary Genetics, Concepts and LKey Studies, Oxford Univ. Pres.								
23	Assesm	ent															
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