		GEN	NETICS						
1	Course Title:	GENETI	CS						
2	Course Code:	ZOO240	2						
3	Type of Course:	Compuls	ory						
4	Level of Course:	First Cyc	le						
5	Year of Study:	2							
6	Semester:	4							
7	ECTS Credits Allocated:	4.00							
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 f	ace						
14	Course Coordinator:	Prof. Dr.	CENGİZ ELMACI						
15	Course Lecturers:	Prof. Dr.	Cengiz ELMACI						
16	Contact information of the Course Coordinator:	elmaci@ U.Ü. Zira	uludag.edu.tr, 224 2941554 lat Fakültesi Zootekni Bölümü, Bursa						
17	Website:								
18	Objective of the Course:	Learn pri	incipal topics and basic concepts of genetics and heredity.						
19	Contribution of the Course to Professional Development:								
20	Learning Outcomes:								
		1	Learns basic concepts of Genetics						
		2	Knows genetic material and its function in heredity.						
		3	Understands relationship between heredity model of different traits and breeding programmes.						
		4	Learns sources and mechanisms of genetic diversity.						
		5	Comprehends importance and role of genetics in Agricultural sciences.						
		6	Learns basic essential knowledge for genetic engineering and biotechnology.						
		7							
		8							
		9							
		10							
21	Course Content:								
		Co	urse Content:						
VVEEK	Introduction to constinct brief bistory	of the	Practice						
1	genetics	or the							
2	chromosomes	anisms,							
3	Genetics events								
4	Mendelian genetics and its basic prir solving problems	nciples,							

5	Linkag	je, (crossi	ng-ov	er, so	lving p	robler	ns											
6	Sex ar linked	nd s trai	sex de ts, so	etermi Iving p	natior proble	n syster ms	ms, se	ex											
7	Gen in	nter	actior	ns, sol	ving p	roblem	าร												
8	Quanti	itati	ve tra	aits an	d gen	etics													
9	Popula equilib	atio oriui	n gen m, sol	etics, ving p	Hardy roble	/-Wein m	berg												
10	Gene	con	icept,	What	is gei	ne?													
11	DNA: (Che	emica	l natu	re of g	gene													
12	DNA read	epli ans	catioi lation	n, tran	script	ion, Ge	enetic	code											
13	Mutation, Gene(Point) mutation																		
14	Variati numbe	ions ers	s in ch	nromo	some	structu	ire an	d											
22	Textbooks, References and/or Other Materials:								So Ya	ysal, N yınları	/l.İ. 20 , Tekiro	06. Ger dağ.	netik, Te	ekirdağ	ğ Ziraat	Fakültes	si		
									Yü Da	ce, S., ğıtım,	Bilger Ankara	n, G., De a	emir, İ.	2010.	Genetik	, Nobel `	Yayın		
									Ön	er. C.	2001.	Genetik	. Kavra	ımlar. I	⊃alme Y	/avıncılıł	<		
									Die			02 Co		A Con		Approce	haa		
	F								ISE	Pierce, B.A., 2003. Genetics: A Conceptual Approaches., ISBN: 1-57259-160-9									
Activit	Activites							 1	Number Duration (bour) Total Work										
														(Load (hour)				
Theore	tion						1.			4-			2.00			42.00			
Mileteir	Mierer Mierer 1									00			3.00			72.00			
Practic													0.00			0.00			
	semeter 0									00			2.00						
Braidet													0.00	0.00					
	Studios						2		10	9.00 N			0.00	0.00			0.00		
Succes	as Grad	ę								1 12.00						12.00			
Others	in exam	13								10						20.00			
Fintal F	xams								101	100.00					18.00				
Total V	Vork Lo	ad								0.00			10.00		120.00				
Course	Wilsgork load/ 30 br															4.00			
ECTS	CTS Credit of the Course									4.00									
25					TDID											ME			
23	,							C C	QUA	LIFIC		NS	5101	ROC					
						PQ5	PQ6	PQ7	PQ8	PQ9	PQ1	PQ11	PQ12	PQ1	PQ14	PQ15	PQ16		
	PC	21	PQ2	PQ3	PQ4						U			3					
ÖK1	PC 0	ຊ 1	PQ2 0	PQ3 0	PQ4 0	0	3	0	0	3	0	0	0	0	0	0	0		
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ÖK5	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0
ÖK6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	Contrib 1 very low ution Level:			2 low		3 Medium			4 High			5 Very High				