		GEN	NETICS					
1	Course Title:	GENETI	CS					
2	Course Code:	ZOO240	2					
3	Type of Course:	Compuls	sory					
4	Level of Course:	First Cyc						
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	face					
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 raat Fakültesi Zootekni Bölümü, Bursa					
17	Website:							
18	Objective of the Course:	Learn pr	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:							
10/	<b>T</b>	Co	ourse Content:					
	Theoretical	of the	Practice					
1	Introduction to genetics, brief history genetics	or the						
2	Cells, prokaryotic and eukaryotic organization	anisms,						
3	Genetics events							
4	Mendelian genetics and its basic prin solving problems	iciples,						

5	Linkage,	cross	ing-ov	er, so	lving p	robler	ns													
6	Sex and linked tra					ms, se	ЭХ													
7	Gen inte	ractio	ns, sol	ving p	roblen	าร														
8	Quantita	tive tr	aits an	d gen	etics															
9	Populati equilibriu					berg		Τ												
10	Gene co	ncept	, What	is ge	ne?															
11	DNA: Cł	nemica	al natu	re of g	gene			T												
12	DNA repand tran			script	ion, Ge	enetic	code													
13	Mutation	, Gen	e(Poin	t) mut	tation															
14	Variation numbers		hromo	some	structi	ure an	d													
22	Textboo Material		eferenc	es an	d/or O	ther			Soysal, M.İ. 2006. Genetik, Tekirdağ Ziraat Fakültesi Yayınları, Tekirdağ.											
									Yüce, S., Bilgen, G., Demir, İ. 2010. Genetik, Nobel Yayın Dağıtım, Ankara											
								Öı	Öner, C. 2001. Genetik, Kavramlar, Palme Yayıncılık											
									Pierce, B.A., 2003. Genetics: A Conceptual Approaches., ISBN: 1-57259-160-9											
Activit	es								Numb	er		Dura	ition (	,	Total Work Load (hour)					
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Others									10			2.00			20.00					
Fiotal Ex	xams							10	0.00			18.00			18.00					
Total W	ork Load	ł													120.00					
<b>EOMISE</b>	alSwork load/ 30 hr														4.00					
ECTS (	ECTS Credit of the Course														4.00					
25			CON	TRIE	BUTIC	N O				OUTC	OMES	S TO I	PROC	SRAM	ME					
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ÖK1	5	4	3	0	4	0	3	0	0	0	0	0	0	0	0	0				
ÖK2	4	0	4	0	4	0	4	0	0	0	0	0	0	0	0	0				

	QUALIFICATIONS															
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ÖK3	4	0	5	0	4	0	5	0	0	5	0	0	0	0	0	0
ÖK4	3	0	0	5	4	5	5	0	0	0	0	0	0	0	0	0

ÖK5	0	0	0	0	0	4	4	0	0	0	0	0	0	0	0	0
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