

## ANIMAL BREEDING

1	Course Title:	ANIMAL BREEDING
2	Course Code:	SBHS231
3	Type of Course:	Optional
4	Level of Course:	Short Cycle
5	Year of Study:	2
6	Semester:	3
7	ECTS Credits Allocated:	3.00
8	Theoretical (hour/week):	2.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Öğr.Gör. NAZİF UZUN
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	sdu@uludag.edu.tr 0224 676 87 80 Uludağ Üniversitesi Karacabey Meslek Yüksekokulu, Karacabey/BURSA
17	Website:	
18	Objective of the Course:	To gain information on the genetic basis of animal breeding and indoctrinate the importance of elevate population genetic level and methods to students
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	Informed of evolution, future and importance of animal breeding from past to present.
	2	Learns the phenotypic variation source and calculation methods.
	3	Learns selection methods, impacts and their areas of usage.
	4	Can predict genetic parameters and understand their importance in animal breeding
	5	Learn crossbreeding methods.
	6	Learn genetic basis of crossbreeding.
	7	Learn breeding systems and their areas of usage.
	8	To be informed of breeding methods that can use in Turkey.
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21	Course Content:	
	<b>Course Content:</b>	
Week	Theoretical	Practice
1	The scope and importance of animal breeding	

2	Character, phenotype, genotype and environment concepts, genotype-environment relations with environmental and genetic sources of phenotypic variation			
3	The definition of heritability, it's importance and characteristics of animal breeding.			
4	Definition of selection, selection's effects, selection and culling, selection in terms of quantitative and qualitative characters			
5	Opportunities of increasing that efficiency of selection			
6	The realization of the expected progress in selection			
7	Selection methods, mass selection			
8	Family selection and combined selection, efficiency of family selection and combined selection			
9	Repeating courses and midterm exam			
10	Mating systems, purebreeding inbreeding			
11	Linebreeding and inbreeding			
12	Crossbreeding systems			
13	Combination Crossbreeding			
14	Commercial crossing			
22	Textbooks, References and/or Other	1. Tuncel F: Hayvan Islahı, Uludağ Üniv. Ziraat Fak. Ders		
Activites		Number	Duration (hour)	Total Work Load (hour)
Theoretical		12	2.00	28.00
Practicals/Labs		0	0.00	0.00
Self study and preperation		4	2.00	28.00
Homeworks		0	0.00	0.00
Projects		5	4.00	20.00
Field Studies		0	0.00	0.00
Midterm exams		1	15.00	15.00
Others		0	0.00	0.00
23	Assesment	1	15.00	15.00
Final Exams				
TERM LEARNING ACTIVITIES		NUMBER	WEIGHT	
Total Work Load				101.00
Total Work Load/ 30 hr	1	40.00		2.87
ECTS Credit of the Course				3.00
Home work-project	0	0.00		
Final Exam	1	60.00		
Total	2	100.00		
Contribution of Term (Year) Learning Activities to Success Grade		40.00		
Contribution of Final Exam to Success Grade		60.00		
Total		100.00		
Measurement and Evaluation Techniques Used in the Course				
24	ECTS / WORK LOAD TABLE			

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	2	1	5	0	5	5	4	0	1	1	0	0	0	0	0	0
ÖK2	5	4	4	0	3	4	4	2	0	0	0	0	0	0	0	0
ÖK3	5	2	5	0	5	4	4	0	0	0	0	0	0	0	0	0
ÖK4	5	2	4	0	5	5	5	0	0	0	0	0	0	0	0	0
ÖK5	5	4	5	0	5	5	5	0	0	0	0	0	0	0	0	0
ÖK6	5	4	5	0	5	5	5	0	0	0	0	0	0	0	0	0
ÖK7	5	4	4	0	5	5	5	0	0	0	0	0	0	0	0	0
ÖK8	5	4	4	0	5	4	5	0	0	0	0	0	0	0	0	0
LO: Learning Objectives    PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			