AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Animal Science								
Course Code	ZT102		Couse Level	First Cycle (Bachelor's Degree)					
ECTS Credit	4	Workload	100 *(Hours)*	Theory	2	Practice	2	Laboratory	0
Objectives of the Course	To inform about practical and up-to date scientific information about produced products, growing of livestock, and place and importance of human life								
Course Content	Animal production in Turkey and the world, the benefits of animal agriculture, the problems of animal husbandry in Turkey, domestication process, the concepts of species and breeds, the reproduction of farm animals, lactation and environmental adaptation and the adaptation and livestock breeding								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Individual Study								
Name of Lecturer(s)	Assoc. Prof. Aytül UÇAK KOÇ, Prof. Atakan KOÇ, Prof. Murat YILMAZ, Prof. Mustafa AKŞİT, Prof. Orhan KARACA, Prof. Tufan ALTIN								

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading	
1	1. Şengonca ve ark. 2008. Hayvan Yetiştirme İlkeleri. E.Ü. Ziraat Fakültesi Yayınları.
2	2. Ertuğrul ve ark. 1997. Hayvan Yetiştirme (Yetiştiricilik). A.Ü. Ziraat Fakültesi
3	3. Bıyıkoğlu, K. 2009. Genel Zootekni. A.Ü. Ziraat Fak. Yayınları No:231. Erzurum
4	4. Taylor, R.E. and T.G. Field. Scientific Farm Animal Production. An Introduction to Animal Science.Pearson Prentice Hall. Upper Saddle River, NJ. USA

Week	Weekly Detailed Course Contents	
1	Theoretical	Animal production and importance, Animal production in Turkey and World.
	Preparation Work	Literature searching on topic
2	Theoretical	Problems of livestock production in Turkey
3	Theoretical	Reproductive and fertility-The biological basis of reproduction, Formation of oestrus and oestrus behaviors
4	Theoretical	Reproduction and fertility- Stages of the reproductive efficiency. The applied technologies for reproductive in livestock
5	Theoretical	Growth, development and meat production
6	Theoretical	Mammary system, lactation and milk production
7	Theoretical	Livestocks houses, Environment and the environment adaptation
8	Intermediate Exam	Mid-Term exam
9	Theoretical	The basic principles of animal feeding
10	Theoretical	The basic principles of animal breeding- Phenotypic variation and resources
11	Theoretical	The basic principles of animal breeding- Methods of selection and selection and ating methods
12	Theoretical	cattle breeding
13	Theoretical	Sheep and goat breeding
14	Theoretical	Poultry
15	Theoretical	Apiculture and sericulture
16	Final Exam	Final exam

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	14	0	2	28
Midterm Examination	1	19	1	20

Final Examination	1	23	1	24
			Total Workload (Hours)	100
			[Total Workload (Hours) / 25*] = **ECTS**	4
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	To be able to comprehend the importance of animal products on human nutrition
2	To recognize the problems of livestock in Turkey
3	To be able to grasp the reproduction mechanism in farm animals
4	To be able to have knowledge about lactation in mammals
5	Tobe able to have knowledge about providing ways and methods to increase the efficiency in livestock

Programme Outcomes *(Agricultural Biotechnology)*	
1	To be able to develop skills in identifying, modeling and solving problems in agricultural biotechnology
2	To be able to synthesize life and engineering sciences for the effective resource planning of agricultural biotechnology applications
3	To be able to interpret about living organisms structure, metabolic and physiological processes in order to propose biotechnological solutions to the agricultural problems
4	To be able to analyze genomic, metabolomic and proteomic information via bioinformatic tools.
5	To have the ability to analyze collected data and interpret the results.
6	To have the ability of individual working ability and to make independent decisions, to work in inter-disciplinary and interdisciplinary teamwork, to communicate by expressing their ideas orally and in writing, clearly and concisely
7	To have the awareness of professional liabilities and ethics
8	To be able to follow current national and international problems

Contribution of Learning Outcomes to Programme Outcomes *1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High*

	L1	L2	L3	L4	L5
P1	2	2	3	1	1
P2	4	4	4	2	2
P3	4	3	5	2	2
P4	2	1	2	1	1
P5	2	3	3	2	2
P6	2	2	2	1	1
P7	2	3	2	2	2
P8	2	3	2	1	1