



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Animal Science							
Course Code		ZT102		Course Level		First Cycle (Bachelor's Degree)			
ECTS Credit	4	Workload	100 (<i>Hours</i>)	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. Bıyıkoglu, 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	To be able to have knowledge about providing ways and methods to increase the efficiency in livestock

