



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Fertility in Farm Animals							
Course Code		VST538		Couse Level		Second Cycle (Master's Degree)			
ECTS Credit	3	Workload	75 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		To give information about fertility, factors effecting fertility and fertility parameters in farm animals							
Course Content		Fertility, factors effecting fertility							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Individual Study					
Name of Lecturer(s)		Lec. Uğur UÇAN, Prof. İlker SERİN							

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

### Recommended or Required Reading

1	Hafez E.S E., Hafez B. (2000) Reproduction in Farm Animals. Lippincott Williams & Wilkins, Philadelphia
2	Alaçam E.: Evcil Hayvanlarda Reprodüksiyon, Suni Tohumlama, Doğum ve İnfertilite. First Edition, Konya, 1994

Week	Weekly Detailed Course Contents	
1	Theoretical	Definition of fertility
2	Theoretical	Environmental factors and fertility
3	Theoretical	Genetic capacity and fertility
4	Theoretical	Management and fertility
5	Theoretical	Feeding and fertility
6	Theoretical	Fertility parameters
7	Theoretical	Applications for increasing of fertility
8	Intermediate Exam	Midterm exam
9	Theoretical	Fertility in cows
10	Theoretical	Fertility in mares
11	Theoretical	Fertility in ewes
12	Theoretical	Fertility in goats
13	Theoretical	Fertility in dogs and cats
14	Theoretical	Fertility in male animals
15	Theoretical	Economic importance of failures in fertility
16	Final Exam	Final term exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Reading	14	0	1	14
Midterm Examination	1	12	1	13
Final Examination	1	18	2	20
Total Workload (Hours)				75
[Total Workload (Hours) / 25*] = ECTS				3

\*25 hour workload is accepted as 1 ECTS

### Learning Outcomes

1	to be able to define fertility
2	to be able to comprehend fertility parameters



3	to be able to interpret evaluation of fertility parameters in farm animals
4	To have information about treatment protocols applied in infertility.
5	To have information about the effects of nutrition on fertility.

**Programme Outcomes** (*Reproduction and Artificial Insemination (Veterinary Medicine) Master*)

1	To get knowledge about Reproduction and Artificial Insemination with theoretical lessons and practise
2	To get knowledge about reproductive systems of animals, reproductive organs and functions of these organs
3	To get knowledge about reproductive physiology of male and female animals, reproductive endocrinology, synchronisations and reproductive health
4	To get experience about diagnosis of oestrus, proper insemination time and method
5	To get experience to join reproductive scientific research, to follow scientific advances own field. To transfer all these experiences and knowledge to students and society
6	To gain ability to reach scientific references, to plan an experiment, study this experiment, evaluation of experimental results and compare this result similar experimental result
7	To get experience about cryopreservation and short term storage of sperm, examination of sperm
8	To get knowledge about reproductive biotechnology (artificial insemination, in-vitro fertilisation, freezing of sperm and embryo, embryo transfer, laparoscopic insemination). To Contribute and advance to science
9	To get knowledge about infertility, diagnosis of infertility, treatment of infertility in domestic animals especially commercial farms

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

	L1	L2	L3
P1	4	4	4
P5	3		
P9	4	4	4

