



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Applications to Increase Conception Rate							
Course Code		VST524		Course Level		Second Cycle (Master's Degree)			
ECTS Credit	2	Workload	50 (Hours)	Theory	1	Practice	0	Laboratory	0
Objectives of the Course		To give information about natal, acquired, functional reasons of infertility in farm animals and treatment modalities							
Course Content		Description of infertility, its reasons and treatment methods							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Individual Study					
Name of Lecturer(s)									

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Alaçam E.: Evcil Hayvanlarda Reprodüksiyon, Suni Tohumlama, Doğum ve İnfertilite. First Edition, Konya, 1994
2	Youngquist R.S., Threlfall W.R.: Current Therapy in Large Animal Theriogenology. Second Edition, Philadelphia, 2007
3	Hafez E.S E., Hafez B. (2000) Reproduction in Farm Animals. Lippincott Williams & Wilkins, Philadelphia
4	Pineda M. H., Dooley M. P. (2003) McDonald's Veterinary Endocrinology and Reproduction, Iowa State Press, New York

Week	Weekly Detailed Course Contents	
1	Theoretical	Description of infertility
2	Theoretical	Reasons of infertility
3	Theoretical	Congenital infertility
4	Theoretical	Infertility connected with genetic disorders
5	Theoretical	Genital tract abnormalities and infertility
6	Theoretical	Disease of genital tract and infertility
7	Theoretical	Inadequate ovarian function and infertility
8	Intermediate Exam	Midterm exam
9	Theoretical	Failures in ovulation mechanism
10	Theoretical	Oestrus detection failures
11	Theoretical	Immunological infertility
12	Theoretical	Infectious agents
13	Theoretical	Embryonic loss
14	Theoretical	Treatment and preventions of infertility
15	Theoretical	Treatment and preventions of infertility
16	Final Exam	Final term exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	1	14
Midterm Examination	1	14	1	15
Final Examination	1	20	1	21
Total Workload (Hours)				50
[Total Workload (Hours) / 25*] = ECTS				2

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	to be able to analyse infertility
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2	to be able to recognize the reasons of infertility
3	to be able to identify treatment of infertility
4	To have knowledge about the treatment of infertility in small ruminants.
5	To have knowledge about the treatment of infertility in ruminants.

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	5	4	4
P2	5	5	4
P3	4	4	4
P4	4	4	4
P5	3	3	4
P6	4	4	4
P8	4	4	4
P9	5	5	5

