



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Applications to Increase Conception Rate							
Course Code		VST529		Couse Level		Second Cycle (Master's Degree)			
ECTS Credit	4	Workload	100 (Hours)	Theory	2	Practice	2	Laboratory	0
Objectives of the Course		To give information about techniques to increase pregnancy rates in domestic animals							
Course Content		Physiology of pregnancy, applications to increase pregnancy rate during and after insemination							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Discussion, 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	Ball P.J.H., Peters A.R. (2004) Reproduction in Cattle. Blackwell Publishing, Oxford
2	Bearden H.J., Fuquay J.W., Willard S.T. (2004) Applied Animal Reproduction. Pearson Prentice Hall, New Jersey.
3	Feldman E. C., Nelson R. W. (2004) Canine and Feline Endocrinology and Reproduction. Saunders, St. Louis
4	Hafez E.S.E., Hafez B. (2000) Reproduction in Farm Animals. Lippincott Williams & Wilkins, Philadelphia
5	Pineda M. H., Dooley M. P. (2003) McDonald's Veterinary Endocrinology and Reproduction, Iowa State Press, New York
6	Mitchell J.R., Doak G. A. (2004) The Artificial Insemination and Embryo Transfer of Dairy and Beef Cattle (including information pertaining to goats, sheep, horses swine, and other animals). Pearson Prentice Hall, New Jersey
7	Evans G., Maxwell WMC. (1987) Salamon's Artificial Insemination of Sheep and Goats. Butterworths, Sydney

Week	Weekly Detailed Course Contents	
1	Theoretical	Physiology of pregnancy
	Practice	Practise in clinic
2	Theoretical	Applications to increase conception rate during inseminations
	Practice	Practise in clinic
3	Theoretical	Dosage of insemination according to species of animal and its effect on pregnancy
	Practice	Practise in clinic
4	Theoretical	Different insemination methods
	Practice	Practise in clinic
5	Theoretical	Administration of hormones following insemination
	Practice	Practise in clinic
6	Theoretical	Applications to increase conception rate after inseminations
	Practice	Practise in clinic
7	Theoretical	Supporting of luteal tissue
	Practice	Practise in clinic
8	Intermediate Exam	Midterm exam
9	Theoretical	Applications to support implantation of embryo
	Practice	Practise in clinic
10	Theoretical	Increasing conception rate in cows
	Practice	Practise in clinic
11	Theoretical	Increasing pregnancy rate in ewes
	Practice	Practise in clinic
12	Theoretical	Increasing pregnancy rate in goats
	Practice	Practise in clinic
13	Theoretical	Effect of environmental conditions on conception rate
	Practice	Practise in clinic



14	Theoretical	Increasing pregnancy rate in dogs
	Practice	Practise in clinic
15	Theoretical	Increasing pregnancy rate in dogs
	Practice	Practise in clinic
16	Final Exam	Final term exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	14	0	2	28
Reading	14	0	1	14
Midterm Examination	1	9	1	10
Final Examination	1	19	1	20
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 analyse applications to increase pregnancy rate during inseminations
2	to be able to identify applications to increase pregnancy rate after inseminations
3	Proper insemination time in animals
4	To have information about fertility parameters in farm animals.
5	To have information about factors that decrease pregnancy rates in farm animals.

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	5	4
P3	5	5	4
P4	3	3	4
P8	3	3	4

