



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Rectal Palpation							
Course Code		VST521		Course Level		Second Cycle (Master's Degree)			
ECTS Credit	3	Workload	75 (Hours)	Theory	1	Practice	2	Laboratory	0
Objectives of the Course		To give information about the technique, features indications and potential side effects of rectal palpation having application area in cattle and also its comparison with other diagnostic procedures							
Course Content		Indications of rectal palpation, pregnancy diagnosis by rectal palpation, palpation of genital tract during rectal palpation and estimation of sexual cycle period							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Discussion, Case 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	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	Considered issues during rectal palpation
	Practice	Rectal palpation in field or slaughter house
2	Theoretical	Preparation for rectal palpation in cows
	Practice	Rectal palpation in field or slaughter house
3	Theoretical	Keeping under control of cow
	Practice	Rectal palpation in field or slaughter house
4	Theoretical	Palpation of cervix and uterine during rectal palpation
	Practice	Rectal palpation in field or slaughter house
5	Theoretical	Evaluation of structures on ovaries different terms of cycle
	Practice	Rectal palpation in field or slaughter house
6	Theoretical	Evaluation of structures on ovaries different terms of cycle
	Practice	Rectal palpation in field or slaughter house
7	Theoretical	Structural changes of genital tract associated with terms of cycle
	Practice	Rectal palpation in field or slaughter house
8	Theoretical	Determination of genital tract pathologies during palpation
	Practice	Rectal palpation in field or slaughter house
9	Intermediate Exam	Midterm exam
10	Theoretical	Preparation for rectal palpation in mares
	Practice	Rectal palpation in field or slaughter house
11	Theoretical	Keeping under control of mare
	Practice	Rectal palpation in field or slaughter house
12	Theoretical	Palpation of cervix and uterine during rectal palpation in mares
	Practice	Rectal palpation in field or slaughter house
13	Theoretical	Detection of oestrus by rectal palpation
	Practice	Rectal palpation in field or slaughter house
14	Theoretical	Structural changes of genital tract associated with terms of cycle
	Practice	Rectal palpation in field or slaughter house



15	Theoretical	Determination of genital tract pathologies during palpation in mares
	Practice	Rectal palpation in field or slaughter house
16	Final Exam	Final term exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	1	14
Lecture - Practice	14	0	2	28
Laboratory	14	0	1	14
Midterm Examination	1	5	1	6
Final Examination	1	12	1	13
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 comprehend rectal palpation
2	to be able to define indications of rectal palpation
3	to be able to express technique of rectal palpation
4	To learn the use of ultrasonography in rectal palpation.
5	To learn the diagnosis of pregnancy by rectal palpation.

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

