



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Andrological Examinations							
Course Code		VST536		Couse 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 andrological examination and its techniques							
Course Content		Collection of sperm in domestic animals, short term storage of sperm, long term storage of sperm, freezing of the sperm							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Experiment, Demonstration, Discussion					
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	Importance of andrological examination
	Practice	Practise in clinic
2	Theoretical	Taking of anamnesis
	Practice	Practise in clinic
3	Theoretical	General examination of animal and description of animal
	Practice	Practise in clinic
4	Theoretical	In vitro examinations
	Practice	Practise in lab
5	Theoretical	Taking of preputial cavity fluid and pre-secretion
	Practice	Practise in clinic
6	Theoretical	Examination of scrotum, disease of scrotum, treatments
	Practice	Practise in clinic
7	Theoretical	Examination of testis, disease of testis, treatments
	Practice	Practise in clinic
8	Intermediate Exam	Midterm exam
9	Theoretical	Examination of epididymis, disease of epididymis, treatments
	Practice	Practise in clinic
10	Theoretical	Examination of lymph nodes, diseases and treatments of lymphatic system
	Practice	Practise in clinic
11	Theoretical	Examination of male accessory glands, disease of male accessory glands, treatments
	Practice	Practise in clinic
12	Theoretical	Examination of preputium, disease of preputium, treatments
	Practice	Practise in clinic
13	Theoretical	Examination of penis, disease of penis, treatments



13	Practice	Practise in clinic
14	Theoretical	Examination of the sperm
	Practice	Practise in lab
15	Theoretical	Examination of the semen
	Practice	Practise in lab
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
Midterm Examination	1	11	1	12
Final Examination	1	20	1	21
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 apprehend andrological examinations
2	to be able to comprehend techniques for andrological examination
3	to be able to examine evaluation of andrological examination results
4	To have knowledge about andrological examination of stallions.
5	o have knowledge about andrological examination of bulls.

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	4	4	
P7	4	4	4
P9	5	5	5

