



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Parturition and Artificial Insemination							
Course Code		LVS217		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	77 (Hours)	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		The aim of the course is to get qualified technicians who are able to reproduce animals without problems, prevent reproductive production losses and produce healthy offsprings							
Course Content		The anatomy of the reproductive organs, Reproductive physiology and endocrinology, Puberty and sexual cycles, Clinical use of hormones, Examination of female reproductive organs. Oestrus, oestrus cycle and the most suitable time for insemination, estrous cycle hormonal mechanism, receipt and examination of semen, semen dilution and storage, preparation for the application of frozen semen for artificial insemination, artificial insemination techniques, insemination of cows, sheep, and mares.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Individual Study					
Name of Lecturer(s)									

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading

1	Evcil Hayvanlarda Reprodüksiyon, Suni Tohumlama, Doğum ve İnfertilite Kitabı, Editör: Erol Alaçam
2	Çiftlik Hayvanlarında Doğum ve Jinekoloji Kitabı
3	Köpek ve Kedilerde Doğum ve Jinekoloji Kitabı
4	Kısırlıklarda Doğum ve Jinekoloji Kitabı

Week	Weekly Detailed Course Contents	
1	Theoretical	Functions and anatomy of female and male genital System
2	Theoretical	Reproductive physiology and hormones
3	Theoretical	Estrus cycle and detection of the estrus
4	Theoretical	Breeding and artificial insemination, equipment and technique
5	Theoretical	Collection, evaluation of semen, Semen extender and insemination, semen conservation
6	Theoretical	Preparation of semen in Cows, sheeps and mares
7	Theoretical	Biotechnology in reproduction
8	Intermediate Exam	Midterm Exam
9	Intermediate Exam	Midterm Exam
10	Theoretical	Pregnancy diagnosis
11	Theoretical	Pregnancy and the fetal developement in uterus
12	Theoretical	Infectious and non-infectious Abortus
13	Theoretical	Parturition and its control
14	Theoretical	Care of the dam and neonate
15	Theoretical	Beginning of the lactation and puerperium, Post partal rest time and time for next pregnancy
16	Final Exam	Final Exam
17	Final Exam	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	13	1	3	52
Midterm Examination	1	8	1	9



Final Examination	1	16	0	16
Total Workload (Hours)				77
[Total Workload (Hours) / 25*] = ECTS				3
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	To know anatomic structure and functions of the genital organs in domestic animals;
2	To understand reproduction physiology and hormonal interactions;
3	To be aware of the timing of estrous, breeding and artificial insemination;
4	To be able to provide appropriate environment for natural breeding and artificial insemination;
5	To recognize early pregnancy and potential problems as soon as possible ;
6	To be able to apply precautions for the diagnosis and prevention of abortus problems;
7	To know normal birth procedure and be able to follow up;
8	To be able to take care of mother and offspring before, during and after birth;
9	To be able to detect potential problems during puerperium and until next pregnancy;

Programme Outcomes (Laboratory and Veterinary Sciences)

1	To be able to understand and use , where information about Veterinary Technician
2	To be able to analyze and synthesize
3	To be able to have awareness of ethical and professional responsibility
4	To be able to recognise the basic features of animal species and breeds
5	To be able to make and test preparation In the laboratory, under the supervision of the veterinarian in charge of registration,
6	To be able to care of animals Asepsis and antisepsis to do with the preoperative and postoperative
7	To be able to control of parasitic infestations and infectious disease prevention and veterinary advice can be helpful when working on
8	To be able to prepare and use of animal feeding protocols In theory
9	To be able to Veterinarian examination, imaging, and surgical applications of finding assistance during the application and conduct any kind planned by Veterinarian
10	To be able to Make efforts to enhance productivity in animal husbandry

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

	L1	L2	L3	L4	L5	L6	L7	L8	L9
P1	5	4	4	4	4	4	4	4	4
P2	4	4	4	4	4	4	4	4	4
P3	4	3	3	4	4	3	4	3	3
P4	3	3	3	4	4	3	4	3	5
P5	3	3	3	3	4	3	4	4	3
P6	3	4	1	3	4	4	4	3	3
P7	3	4	3	3	4	4	3	4	3
P8	3	4	3	3	4	3	3	4	
P9	3	3	3	3	4	3	3	4	5
P10	4	3	3	3	4	3	3	3	

