AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Veterinerinary Reproduction and Artificial Insemination								
Course Code	LVS118		Couse Level	Short Cycle (Associate's Degree)					
ECTS Credit	3	Workload	78 *(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, Case Study, Individual Study								
Name of Lecturer(s)	Lec. Bilginer TUNA								

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading	
1	Doğum Bilgisi ve Suni Tohumlama, Prof. Dr. Mç KEmal SOYLU (editör)

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

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	3	56
Midterm Examination	1	10	1	11
Final Examination	1	10	1	11
			Total Workload (Hours)	78
			[Total Workload (Hours) / 25*] = **ECTS**	3
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	To understand reproduction physiology and hormonal interactions
2	To be able to provide appropriate environment for natural breeding and artificial insemination
3	To be able to provide appropriate environment for natural breeding and artificial insemination
4	To know normal birth procedure and be able to follow up
5	To be able to take care of mother and offspring before, during and after birth

Programme Outcomes *(Laboratory and Veterinery 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 tomake 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 toprepare and use of animal feeding protocolsIn 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
P1	4	4	4	4	4
P2	1	1	1	1	1
P3	4	4	4	4	4
P5	3	3	3	3	3
P6	5	5	5	5	5
P7	2	2	2	2	2
P8	1	1	1	1	1
P9	5	5	5	5	5
P10	4	4	4	4	4