



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Methods of Artificial Insemination							
Course Code		VST525		Course Level		Second Cycle (Master's Degree)			
ECTS Credit	2	Workload	50 (Hours)	Theory	1	Practice	0	Laboratory	0
Objectives of the Course		To give information about techniques of artificial insemination in a variety of species and applied methods							
Course Content		Description of artificial insemination, different techniques of artificial insemination and artifical insemination in various species							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), 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	Alaçam E.: Evcil Hayvanlarda Reprodüksiyon, Suni Tohumlama, Doğum ve İnfertilite. First Edition, Konya, 1994
2	Busch W, Löhle K, Peter W: Künstliche Besamung bei Nutztieren. Second Edition, Stuttgart, 1991
3	Evans G., Maxwell WMC. (1987) Salamon's Artificial Insemination of Sheep and Goats. Butterworths, Sydney.
4	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.
5	Hafez E.S E., Hafez B. (2000) Reproduction in Farm Animals. Lippincott Williams & Wilkins, Philadelphia

Week	Weekly Detailed Course Contents	
1	Theoretical	Description and importance of artificial insemination
2	Theoretical	Techniques for artificial insemination
3	Theoretical	Advantage of artificial insemination
4	Theoretical	Indications of artificial insemination
5	Theoretical	Artificial insemination in cows
6	Theoretical	Artificial insemination in ewes
7	Theoretical	Artificial insemination in goats
8	Intermediate Exam	Midterm exam
9	Theoretical	Artificial insemination in mares
10	Theoretical	Artificial insemination in dogs
11	Theoretical	Artificial insemination in cats
12	Theoretical	Artificial insemination in poultries
13	Theoretical	Laparoscopic insemination
14	Theoretical	Advantage and disadvantage of laparoscopic insemination
15	Theoretical	Equipments for artificial insemination
16	Final Exam	Final term exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	1	14
Midterm Examination	1	14	1	15
Final Examination	1	20	1	21
Total Workload (Hours)				50
[Total Workload (Hours) / 25*] = ECTS				2

\*25 hour workload is accepted as 1 ECTS



**Learning Outcomes**

1	to be able to identify artificial insemination
2	to be able to examine artificial insemination in a variety of species
3	to be able to comprehend techniques for artificial insemination
4	To have knowledge about laparoscopic artificial insemination.
5	To have knowledge about the factors affecting success in artificial insemination

**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	4	5	4
P2	4	4	4
P3	4	4	4
P4	4	4	4
P5	3	3	3
P6	3	3	3
P8	4	4	4
P9	5	5	4

