



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Artificial Insemination in Poultry							
Course Code		VST526		Couse Level		Second Cycle (Master's Degree)			
ECTS Credit	3	Workload	75 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		To give information about reproduction in poultry, techniques for artificial insemination in poultry							
Course Content		Reproduction in poultry, collection of sperm from both male and female turkeys, techniques of artificial insemination in poultry							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Discussion, Individual Study					
Name of Lecturer(s)		Lec. Uğur UÇAN, Prof. Ahmet CEYLAN							

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
---	--------------------------------------------------------------------------------------------------------------

Week	Weekly Detailed Course Contents	
1	Theoretical	Anatomy of genital tract in males
	Practice	Laboratory exercise
2	Theoretical	Spermatogenesis in poultry
	Practice	Laboratory exercise
3	Theoretical	Sperm transport
	Practice	Laboratory exercise
4	Theoretical	Techniques for sperm collection from poultry
	Practice	Field exercise
5	Theoretical	Examination of sperm
	Practice	Laboratory exercise
6	Theoretical	Extenders for poultry semen
	Practice	Laboratory exercise
7	Theoretical	Storage of poultry semen
	Practice	Laboratory exercise
8	Intermediate Exam	Midterm exam
9	Theoretical	Endocrine control of reproduction in poultry
	Practice	Laboratory exercise
10	Theoretical	Gametogenesis in poultry
	Practice	Laboratory exercise
11	Theoretical	Anatomy of genital tract in females
	Practice	Laboratory exercise
12	Theoretical	Artificial insemination in chickens
	Practice	Field exercise
13	Theoretical	Artificial insemination in chickens
	Practice	Field exercise
14	Theoretical	Artificial insemination in turkeys
	Practice	Field exercise
15	Theoretical	Artificial insemination in goose
	Practice	Field exercise
16	Final Exam	Final term exam



Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	14	0	1	14
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 analyse reproduction and techniques for artificial insemination in poultry
2	to be able to apply collection of sperm in poultry and examination of sperm
3	to be able to examine artificial insemination in poultry
4	To have information about the storage of poultry sperm.
5	To have information about the factors affecting the success of artificial insemination in poultry.

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		4
P2	4		
P4			4
P7		4	

