



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Nutrition and Reproduction in Farm Animals							
Course Code		VST543		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 feeding of farm animals and effects of feeding on reproduction							
Course Content		Effects of feeding on reproduction, reproductive problems related to inadequate nutrition, prevention from these problems and solutions to them							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion					
Name of Lecturer(s)		Prof. Ahmet CEYLAN							

### 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	Hafez E.S E., Hafez B. (2000) Reproduction in Farm Animals. Lippincott Williams & Wilkins, Philadelphia
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	Evans G., Maxwell WMC. (1987) Salamon's Artificial Insemination of Sheep and Goats. Butterworths, Sydney

Week	Weekly Detailed Course Contents	
1	Theoretical	Effects of feeding on reproduction
2	Theoretical	Reproductive problems associated with inadequate feeding
3	Theoretical	Solutions for reproductive problems associated with inadequate feeding
4	Theoretical	Preventions for reproductive problems associated with inadequate feeding
5	Theoretical	Importance of feeding
6	Theoretical	Important points of feeding aspect of reproduction
7	Theoretical	Important points of feeding aspect of reproduction
8	Intermediate Exam	Midterm exam
9	Theoretical	Aspect of reproduction important points of goat feeding
10	Theoretical	Aspect of reproduction important points of sheep feeding
11	Theoretical	Aspect of reproduction important points of horse feeding
12	Theoretical	Aspect of reproduction important points of male animals feeding
13	Theoretical	Reproductive problems in male animals associated with inadequate feeding
14	Theoretical	Effect of over fat deposition on reproduction
15	Theoretical	Discussion
16	Final Exam	Final term exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Reading	14	0	2	28
Midterm Examination	1	7	1	8



Final Examination	1	10	1	11
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 define the effects of feeding on reproduction
2	to be able to analyse reproductive problems related inadequate feeding
3	to be able to define the preventions and solutions for reproductive problems connected with inadequate feeding
4	To have information about the relationship between nutrition and infertility.
5	Ration preparation and feed additives

### 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	4	4	
P3	3		3
P4		1	
P9	5	5	5

