# AYDIN ADNAN MENDERES UNIVERSITY
# COURSE INFORMATION FORM

| Course Title | | Sexual Cycles in Domestic Animals | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Course Code | | VST503 | | Couse Level | | Second Cycle (Master's Degree) | | | |
| ECTS Credit | 5 | Workload | 125 *(Hours)* | Theory | 2 | Practice | 0 | Laboratory | 0 |
| Objectives of the Course | | To give information about endocrine mechanism of reproduction, sexual cycles and control of cycle | | | | | | | |
| Course Content | | Endocrine mechanism of reproduction and sexual cycles | | | | | | | |
| Work Placement | | N/A | | | | | | | |
| Planned Learning Activities and Teaching Methods | | Explanation (Presentation), Individual Study | | | | | | | |
| Name of Lecturer(s) | | Lec. Uğur UÇAN, Prof. İlker SERİN | | | | | | | |

## 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 | Hafez E.S E., Hafez B. (2000) Reproduction in Farm Animals. Lippincott Williams & Wilkins, Philadelphia |
| 3 | Pineda M. H., Dooley M. P. (2003) McDonald's Veterinary Endocrinology and Reproduction, Iowa State Press, New York |
| 4 | Feldman E. C., Nelson R. W. (2004) Canine and Feline Endocrinology and Reproduction. Saunders, St. Louis |

## Weekly Detailed Course Contents

| Week | | |
|---|---|---|
| 1 | Theoretical | Description and endocrine mechanism of sexual cycle |
| 2 | Theoretical | Sexual cycle in cows |
| 3 | Theoretical | Endocrine mechanism of sexual cycle in cows |
| 4 | Theoretical | Sexual cycle in ewes |
| 5 | Theoretical | Endocrine mechanism of sexual cycle in ewes |
| 6 | Theoretical | Sexual cycle in goats |
| 7 | Theoretical | Endocrine mechanism of sexual cycle in goats |
| 8 | Intermediate Exam | Midterm exam |
| 9 | Theoretical | Sexual cycle in mares |
| 10 | Theoretical | Endocrine mechanism of sexual cycle in mares |
| 11 | Theoretical | Sexual cycle in bitches |
| 12 | Theoretical | Endocrine mechanism of sexual cycle in bitches |
| 13 | Theoretical | Sexual cycle in cats |
| 14 | Theoretical | Endocrine mechanism of sexual cycle in cats |
| 15 | Theoretical | Endocrine mechanism of sexual cycle in farm animals |
| 16 | Final Exam | Final term exam |

## Workload Calculation

| Activity | Quantity | Preparation | Duration | Total Workload |
|---|---|---|---|---|
| Lecture - Theory | 14 | 0 | 2 | 28 |
| Reading | 14 | 0 | 3 | 42 |
| Midterm Examination | 1 | 23 | 1 | 24 |
| Final Examination | 1 | 30 | 1 | 31 |
| | | | Total Workload (Hours) | 125 |
| | | | [Total Workload (Hours) / 25*] = **ECTS** | 5 |

*25 hour workload is accepted as 1 ECTS

## Learning Outcomes

| | |
|---|---|
| 1 | to be able to analyze sexual cycle |
| 2 | to be able to comprehend endocrine mechanism of sexual cycle |
| 3 | to be able to locate the differences between sexual cycles of different species |
| 4 | to be able to use administration of reproductive hormones to control sexual cycles |
| 5 | Factors affecting sexual cycles |

## 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 | L4 |
|---|---|---|---|---|
| P1 | 4 | 5 | 5 | 5 |
| P2 | 3 | 4 | 3 | 3 |
| P3 | 5 | 4 | 4 | 5 |
| P4 | 4 | 3 | 5 | 5 |
| P5 | 4 | 3 | 3 | 3 |
| P6 | 3 | 4 | 2 | 3 |
| P8 | 4 | 3 | | 3 |
| P9 | 5 | 5 | 5 | 5 |