

ANDROLOGY AND ARTIFICIAL INSEMINATION II

| | | | |
|-----------|---|--|---|
| 1 | Course Title: | ANDROLOGY AND ARTIFICIAL INSEMINATION II | |
| 2 | Course Code: | VET5107 | |
| 3 | Type of Course: | Optional | |
| 4 | Level of Course: | First Cycle | |
| 5 | Year of Study: | 5 | |
| 6 | Semester: | 9 | |
| 7 | ECTS Credits Allocated: | 2.00 | |
| 8 | Theoretical (hour/week): | 1.00 | |
| 9 | Practice (hour/week): | 1.00 | |
| 10 | Laboratory (hour/week): | 0 | |
| 11 | Prerequisites: | None | |
| 12 | Language: | Turkish | |
| 13 | Mode of Delivery: | Face to face | |
| 14 | Course Coordinator: | Prof. Dr. M.Kemal Soylu | |
| 15 | Course Lecturers: | Yok | |
| 16 | Contact information of the Course Coordinator: | Prof.Dr.M.Kemal SOYLU U.Ü.Veteriner Fakültesi A Blok Görükle-BURSA mks@uludag.edu.tr | |
| 17 | Website: | | |
| 18 | Objective of the Course: | To educate students who know general knowledge about reproductive hormones, their clinical usage and hormone measurement techniques. | |
| 19 | Contribution of the Course to Professional Development: | | |
| 20 | Learning Outcomes: | | |
| | | 1 | To learn description characteristics and impact mechanism of hormones |
| | | 2 | To learn hormones secreted from pituitary gland |
| | | 3 | To learn hormones secreted from hypothalamus |
| | | 4 | To learn hormones secreted from gonads and placenta |
| | | 5 | To understand the classification of hormones |
| | | 6 | To determine the chemical structure of hormones |
| | | 7 | To understand the measurement methods of hormones |
| | | 8 | To explain and to practice of hormones in clinical applications |
| | | 9 | |
| | | 10 | |
| 21 | Course Content: | | |
| | | Course Content: | |
| Week | Theoretical | Practice | |
| 1 | Description of the hormones | | |
| 2 | Protein and steroid hormones | | |
| 3 | Hormones secreted from pituitary | | |
| 4 | Hormones secreted from hypothalamus | | |
| 5 | Hormones secreted from gonads | | |

| | | |
|--|--|---|
| 6 | Hormones secreted from the other issue and organs | |
| 7 | Classification of the reproductive hormones | |
| 8 | Impact mechanisms of the reproductive hormones | |
| 9 | Chemical structures of the reproductive hormones | |
| 10 | Biological effects of the reproductive hormones | |
| 11 | Endocrinologic properties of reproductive hormones | |
| 12 | Measurement methods of the reproductive hormones | |
| 13 | Hormonal abnormalities | |
| 14 | Chinical usage of the reproductive hormones | |
| 22 | Textbooks, References and/or Other Materials: | <p>1- Hafez ESE, Hafez B (2000): Reproduction in Farm Animals, 7th edition, Lippincott Williams & Wilkins, Baltimore, Maryland, USA.</p> <p>2- McDonald LE, Pineda MH (1989): Veterinary Endocrinology and Reproduction, 4th edition, Lea & Febiger, Philadelphia, USA.</p> <p>3- Squires EJ (2004): Applied Animal Endocrinology. CABI Publishing, Oxon.</p> <p>4- Ball PJH, Peters AR (2004): Reproduction in Cattle. Blackwell Publishing, Oxford.</p> <p>5- İleri İK, Ak K, Pabuççuoğlu S, Birlir S (2000): Evcil Hayvanlarda Reprodüksiyon ve Suni Tohumlama. İstanbul Üniversitesi Veteriner Fakültesi Yayını, Ders Notu No: 84, İstanbul.</p> <p>6- Morrow DA (1986): Current THERapy in Theriogenology, SAunders Inc., New York, USA.</p> <p>7- Noakes DE, Parkinson TJ, England GCW (2003): Arthur's Veterinary Reproduction and Obstetrics, Saunders Inc., New York, USA.</p> |
| 23 | Assesment | |
| TERM LEARNING ACTIVITIES | | NUMBE R |
| | | WEIGHT |
| Midterm Exam | 0 | 0.00 |
| Quiz | 0 | 0.00 |
| Home work-project | 0 | 0.00 |
| Final Exam | 1 | 100.00 |
| Total | 1 | 100.00 |
| Contribution of Term (Year) Learning Activities to Success Grade | | 0.00 |
| Contribution of Final Exam to Success Grade | | 100.00 |
| Total | | 100.00 |
| Measurement and Evaluation Techniques Used in the Course | | |
| 24 | ECTS / WORK LOAD TABLE | |

| Activites | Number | Duration (hour) | Total Work Load (hour) |
|----------------------------|--------|-----------------|------------------------|
| Theoretical | 14 | 1.00 | 14.00 |
| Practicals/Labs | 0 | 0.00 | 0.00 |
| Self study and preperation | 14 | 4.00 | 56.00 |
| Homeworks | 0 | 0.00 | 0.00 |
| Projects | 0 | 0.00 | 0.00 |
| Field Studies | 0 | 0.00 | 0.00 |
| Midterm exams | 0 | 0.00 | 0.00 |
| Others | 0 | 0.00 | 0.00 |
| Final Exams | 1 | 20.00 | 20.00 |
| Total Work Load | | | 90.00 |
| Total work load/ 30 hr | | | 3.00 |
| ECTS Credit of the Course | | | 2.00 |

| 25 | CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS | | | | | | | | | | | | | | | |
|--|---|-----|-----|--------------|-----|-----|-----------------|-----|-----|---------------|------|------|--------------------|------|------|------|
| | PQ1 | PQ2 | PQ3 | PQ4 | PQ5 | PQ6 | PQ7 | PQ8 | PQ9 | PQ10 | PQ11 | PQ12 | PQ13 | PQ14 | PQ15 | PQ16 |
| ÖK1 | 5 | 4 | 2 | 2 | 4 | 3 | 3 | 2 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| ÖK2 | 5 | 3 | 2 | 2 | 4 | 4 | 4 | 2 | 4 | 1 | 2 | 0 | 0 | 0 | 0 | 0 |
| ÖK3 | 5 | 4 | 4 | 4 | 4 | 4 | 5 | 2 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 |
| ÖK4 | 5 | 5 | 5 | 5 | 4 | 2 | 4 | 2 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| ÖK5 | 4 | 3 | 4 | 3 | 3 | 3 | 4 | 3 | 3 | 2 | 2 | 0 | 0 | 0 | 0 | 0 |
| ÖK6 | 3 | 2 | 2 | 1 | 3 | 2 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ÖK7 | 3 | 0 | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| LO: Learning Objectives PQ: Program Qualifications | | | | | | | | | | | | | | | | |
| Contribution Level: | 1 very low | | | 2 low | | | 3 Medium | | | 4 High | | | 5 Very High | | | |