# REPRODUCTION AND ARTIFICIAL INSEMINATION IN POULTRY

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| 1 | Course Title: | REPRODUCTION AND ARTIFICIAL INSEMINATION IN POULTRY | |
| 2 | Course Code: | VDT6010 | |
| 3 | Type of Course: | Optional | |
| 4 | Level of Course: | Third Cycle | |
| 5 | Year of Study: | 1 | |
| 6 | Semester: | 2 | |
| 7 | ECTS Credits Allocated: | 5.00 | |
| 8 | Theoretical (hour/week): | 2.00 | |
| 9 | Practice (hour/week): | 2.00 | |
| 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<br>U.Ü.Veteriner Fakültesi A Blok Görükle-BURSA<br>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 | |
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| 21 | Course Content: | | |

**Course Content:**

| Week | Theoretical | Practice |
|---|---|---|
| 1 | Description of the hormones | |
| 2 | Protein and steroid hormones | |
| 3 | Hormones secreted from pituatry | |
| 4 | Hormones secreted from hypothalamus | |
| 5 | Hormones secreted from gonads | |

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| **6** | Hormones secreted from the other issue and organs | |
| **7** | Classification of the reproductive hormones | |
| **8** | İmpact mechanisms of the reproductive hormones | |
| **9** | Chemical structures of the reproductive hormones | |
| **10** | Biological effects of the repdoductive hormones | |
| **11** | Endocrinologic properties of reproductive hormones | |
| **12** | Measurement methods of the reproductive hormones | |
| **13** | Hormonal abnormalities | |
| **14** | Chinical usage of the reproductive hormones | |

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| **22** | Textbooks, References and/or Other Materials: | 1- Hafez ESE, Hafez B (2000): Reproduction in Farm Animals, 7th edition, Lippincott Williams & Wilkins, Baltimore, Maryland, USA.<br>2- McDonald LE, Pineda MH (1989): Veterinary Endocrinology and Reproduction, 4th edition, Lea & Febiger, Philadelphhia, USA.<br>3- Squires EJ (2004): Applied Animal Endocrinology. CABI Publishing, Oxon.<br>4- Ball PJH, Peters AR (2004): Reproduction in Cattle. Blackwell Publishing, Oxford.<br>5- İleri İK, Ak K, Pabuççuoğlu S, Birler S (2000): Evcil Hayvanlarda Reprodüksiyon ve Suni Tohumlama. İstanbul Üniversitesi Veteriner Fakültesi Yayını, Ders Notu No: 84, İstanbul.<br>6- Morrow DA (1986): Current THerapy in Theriogenology, SAunders Inc., New York, USA.<br>7- Noakes DE, Parkinson TJ, England GCW (2003): Arthur's Veterinary Reproduction and Obstetrics, Saunders Inc., New York, USA. |
| **23** | Assesment | |

| **TERM LEARNING ACTIVITIES** | **NUMBER** | **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 | | |

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| **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 | | | 5.00 |

| **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** | | | | |