



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

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|--|---|--|----------------------|--|---|--------------------------------|---|------------|---|
| Course Title | | Inhalation Anesthesia | | | | | | | |
| Course Code | | VCR640 | | Couse Level | | Third Cycle (Doctorate Degree) | | | |
| ECTS Credit | 7 | Workload | 169 (<i>Hours</i>) | Theory | 2 | Practice | 2 | Laboratory | 0 |
| Objectives of the Course | | Gain knowledge and skills about the inhalation anesthesia of domestic animals and tools and technics | | | | | | | |
| Course Content | | applied inhalation anesthesia technique to animals, anesthesia materials, and equipment | | | | | | | |
| Work Placement | | N/A | | | | | | | |
| Planned Learning Activities and Teaching Methods | | | | Explanation (Presentation), Individual Study | | | | | |
| Name of Lecturer(s) | | | | | | | | | |

Assessment Methods and Criteria

| Method | Quantity | Percentage (%) |
|---------------------|----------|----------------|
| Midterm Examination | 1 | 40 |
| Final Examination | 1 | 60 |

Recommended or Required Reading

| | |
|---|--|
| 1 | 1. Topal, A., (2005) Veteriner Anestezi, Bursa: Nobel Kitap evi |
| 2 | 2. Thurmon, J.C, Tranquilli W.J., Benson G.J., Lumb, W.V. (1996). Lumb and Jones' Veterinary Anesthesia. London: Mosby |
| 3 | 3. McKelvey D., Hollingshead W. (2003). Veteriner Anesthesia and Analgesia London: Mosby. |

| Week | Weekly Detailed Course Contents | |
|------|---------------------------------|--|
| 1 | Theoretical | Indications and contraindications of inhalation anesthesia |
| | Preparation Work | Clinical practice |
| 2 | Theoretical | Inhalation anesthetics properties (properties that affect the kinetics of the dissolution coefficients taken into the body, distribution, and excretion) |
| | Preparation Work | Clinical practice |
| 3 | Theoretical | Effects of inhalation anesthetics systems |
| | Preparation Work | Clinical practice |
| 4 | Theoretical | Application techniques of inhalation anesthetics |
| | Preparation Work | Clinical practice |
| 5 | Theoretical | Inhaled anesthetic (diethyl ether, nitrous oxide) |
| | Preparation Work | Clinical practice |
| 6 | Theoretical | Inhalation anesthetics (halothane, enflurane) |
| | Preparation Work | Clinical practice |
| 7 | Theoretical | Inhalation anesthetics (isoflurane, sevoflurane, desflurane) |
| | Preparation Work | Clinical practice |
| 8 | Intermediate Exam | Mid-term exam |
| 9 | Theoretical | Endotracheal tube and its application |
| | Preparation Work | Clinical practice |
| 10 | Theoretical | Anesthesia equipment features |
| | Preparation Work | Clinical practice |
| 11 | Theoretical | Anesthesia apparatus parts (gas cylinders-tanks, flow meter) |
| | Preparation Work | Clinical practice |
| 12 | Theoretical | Anesthesia apparatus parts (sprays, bubble reserve) |
| | Preparation Work | Clinical practice |
| 13 | Theoretical | Anesthesia apparatus parts (valves and carbon dioxide canister holder) |
| | Preparation Work | Clinical practice |
| 14 | Theoretical | assists breathing |
| | Preparation Work | Clinical practice |
| 15 | Theoretical | spontaneous breathing |
| | Preparation Work | Clinical practice |



| | | |
|----|------------------|-----------------------------|
| 16 | Theoretical | Accidents and complications |
| | Preparation Work | Clinical practice |
| 17 | Final Exam | final |

Workload Calculation

| Activity | Quantity | Preparation | Duration | Total Workload |
|--|----------|-------------|----------|----------------|
| Lecture - Theory | 14 | 0 | 2 | 28 |
| Lecture - Practice | 14 | 0 | 2 | 28 |
| Individual Work | 14 | 2 | 2 | 56 |
| Midterm Examination | 1 | 25 | 1 | 26 |
| Final Examination | 1 | 30 | 1 | 31 |
| Total Workload (Hours) | | | | 169 |
| [Total Workload (Hours) / 25*] = ECTS | | | | 7 |
| *25 hour workload is accepted as 1 ECTS | | | | |

Learning Outcomes

| | |
|---|---|
| 1 | 1. Inhalation anesthesia in veterinary practice applies |
| 2 | 2. Inhalation anesthesia in veterinary practice applies |
| 3 | 2. Understand and prevent accidents and complications. |
| 4 | To learn knowledge and propose suggestions on the area. |
| 5 | To find out and use resources about the profession in the area. |

Programme Outcomes (Surgery (Veterinary Medicine) Doctorate)

| | |
|----|--|
| 1 | |
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| 7 | |
| 8 | |
| 9 | |
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| 11 | |
| 12 | |
| 13 | |

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 | 5 | 5 | 5 |
| P3 | 4 | 4 | 4 |
| P4 | 4 | 4 | 4 |
| P5 | 4 | 4 | 4 |
| P6 | 4 | 4 | 4 |
| P7 | 2 | 2 | 2 |
| P8 | 4 | 4 | 4 |
| P9 | 3 | 3 | 3 |
| P10 | 4 | 4 | 4 |
| P11 | 4 | 4 | 4 |
| P12 | 3 | 3 | 3 |

