

## Master Syllabus

### VET 2200 - Veterinary Technology III

**Division:** Health Sciences

**Department:** Veterinary Technology

**Credit Hour Total:** 8.0

**Lecture Hrs:** 8.0

**Other Prerequisite(s):** Restricted to Majors

**Date Revised:** October 2013

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#### Course Description:

Continues to help develop an understanding of the need for diagnostic testing to determine the best way to treat large and exotic animals. Discussion of techniques employed to retrieve, handle, and evaluate samples. Continued discussion of the use of radiology, pharmacology, and records management in Veterinary Medicine. Advances the student's understanding of sterile technique, surgical technique and assistance, and anesthesia application, monitoring, and recovery in animals.

#### General Education Outcomes:

- ❑ Oral Communication Competency
- ❑ Critical Thinking/Problem Solving Competency
- ❑ Values/Citizenship/Community Competency
- ❑ Computer Literacy Competency

#### Course Outcomes:

##### **Sample collection, venipuncture, advanced handling**

Demonstrate appropriate technique with sample collection, animal restraint, and laboratory management

**Assessment Method:** Locally developed exams  
**Performance Criteria:**

Score of 80% or better on exams

**Assessment Method:** Performance appraisals  
**Performance Criteria:**

Score of 80% or better on evaluations

**Assessment Method:** Simulations  
**Performance Criteria:**

Score of 80% or better on evaluations

**Assessment Method:** Standardized national examinations  
**Performance Criteria:**

Score of 75% or better on VTNE

##### **Veterinary anesthesia and post anesthesia recovery**

Discuss advanced application of anesthetic agents and monitoring as well as recovery and pain relief in the veterinary setting.

**Assessment Method:** Locally developed exams  
**Performance Criteria:**

Score of 80% or better on exams

**Assessment Method:** Performance appraisals  
**Performance Criteria:**

80% or better on evaluations

**Assessment Method:** Simulations  
**Performance Criteria:**

80% or better on evaluations

**Assessment Method:** Standardized national examinations  
**Performance Criteria:**

75% or better on National Exam

##### **Pharmacologic physiology, management, office skill**

Using information gleaned in VET 2101; discuss the effects of pharmacologics on animal anatomy; develop professional office skills. Perform inventory management within a mock hospital setting. Apply knowledge of anesthetic agents and monitoring in a mock hospital setting.

**Assessment Method:** Locally developed exams  
**Performance Criteria:**

Score of 80% or better on exams

**Assessment Method:** Performance appraisals  
**Performance Criteria:**

80% or better on evaluations

**Assessment Method:** Simulations  
**Performance Criteria:**

80% or better on evaluations

**Assessment Method:** Standardized national examinations  
**Performance Criteria:**

75% or better on VTNE

### **Outline:**

- Review safe animal handling and restraint
  - Venipuncture in small companion animals
  - Collection and storage of blood samples for different tests
  - Collection and evaluation of fecal samples via direct smears, flotation, and centrifugation
  - Collection and evaluation of urinary samples
  - Collection and evaluation of dermatological samples
  - Discussion of the collection of other types of samples and case-based discussion on when these would be necessary
  - Clinical pathology and immunology
  - Use of ultrasound, CT, MRI, and other diagnostic imaging techniques
  - Different classes and uses of medications: i.e. antibiotics, antifungals, anesthetics, pain relief, cardia, pulmonary, and renal medications.
  - Laws and documentation with controlled substances
  - Legal ramifications of proper and improper medical documentation
- Common methods of medical documentation
- Common medical terminology and abbreviations used in medical notes
  - Common medical terminology and abbreviations used in medical notes
  - Monitoring of the anesthetized animal
  - Recovery
  - Proper pain relief