

## Master Syllabus

### VET 2100 - Veterinary Technology I

**Division:** Health Sciences

**Department:** Veterinary Technology

**Credit Hour Total:** 8.0                      **Lecture Hrs:** 8.0

**Prerequisite(s):** VET 1201AND VET 2107

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

**Date Revised:** July 2013

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#### Course Description:

Develops an understanding for the role diagnostic testing plays in the treatment of animals. Discusses the techniques employed to retrieve, handle, and evaluate laboratory samples. Develops the student's understanding of sterile technique, surgical technique and assistance, and anesthesia application and monitoring. Identifies and discusses the use of radiology, pharmacology, and records management in veterinary medicine. This is a lecture course with some hands -on applications. Eight classroom hours per week.

#### General Education Outcomes:

- Oral Communication Competency
- Critical Thinking/Problem Solving Competency
- Computer Literacy Competency

#### Course Outcomes:

##### **Surgical technique and veterinary anesthesia**

Demonstrate appropriate surgical technique with companion animals and discuss the application of anesthetic agents and monitoring in the veterinary setting.

**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 evaluation

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

Score of 75% or better on VTNE

##### **Laboratory Samples and Animal Handling**

Describe the correct procedure for collecting and evaluating various veterinary laboratory samples. Describe the safe handling of animals during sample collection.

**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 evaluation

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

Score of 75% or better on VTNE

##### **Radiologic tech, pharmacology and medical records**

Discuss radiologic physics, image capturing, development, and positioning concepts of animals. Describe uses and effects of various pharmacologic agents. Demonstrate appropriate record keeping in the hospital setting

**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 evaluation

**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

**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 dermatologic samples-Discussion of the collection of other types of samples and case-based discussion on when these would be necessary-Clinical pathology and immunology-Basic physics behind radiology-Proper positioning of animals for abdominal, thoracic, skull, long bone and joint views-Introduction to different classes of medication-Proper labeling of medication-Laws and documentation with controlled substances-Legal ramifications of proper and improper medical documentation-Common methods of medical documentation, including the SOAP format-Common medical terminology with abbreviations used in medical notes-Appropriate and professional wording within medical notes-Different types of sterilization-Sterile Technique-Surgical Assisting