COURSE INFORMATION FORM

DISCIPLINE  Veterinary Technology
COURSE TITLE  Principles of Animal Science I
CR.HR  4 LECT HR.  2.5 LAB HR.  3 CLIN/INTERN HR.  _____ CLOCK HR.  _____

CATALOG DESCRIPTION

Principles of handling, housing, and management of animals. Basic dietary and sanitation requirements. Restraint and handling, administration of medications, bathing, skin scraping, and basic laboratory tests. Emphasis on animal physiology including the cell, muscle, nervous, respiratory, and cardiovascular systems. Introduction to anesthesia and general animal nursing.

PREREQUISITES

None

EXPECTED STUDENT OUTCOMES IN THE COURSE (ESO)

Upon completion of this course, the student will be able to:

1. Describe basic components of animal physiology.
2. Demonstrate ability to handle patients and perform clinical techniques.
3. Explain and apply kennel management techniques.

GENERAL EDUCATION OUTCOMES (ESO)

Specify which general education outcomes, if any, are substantially addressed by the course. Numbers in parentheses identify the Expected Student Outcomes linked to the specific General Education Outcome.

2. Critical Thinking
   B. Define, analyze, and evaluate information, materials and data
      1. Objectively consider new information from diverse sources and perspectives (2)
PROGRAM-LEVEL OUTCOMES

CAREER AND TECHNICAL EDUCATION PROGRAM OUTCOMES
Specify which Career and Technical program outcomes, if any, are substantially addressed by the course by completing the “Career and Technical Education template” to show the relationship between course and program outcomes to assessment measures.

The student will demonstrate:
1. the ability to communicate effectively and clearly with instructors regarding the treatment and care of animals
2. knowledge of the history of Veterinary Technology and the Code of Ethics and Standards of Practice for the Veterinary Technician
3. the ability to carry out the role and function of a Veterinary Technician
4. an understanding of the business role that technicians play in a veterinary hospital

CLASS-LEVEL ASSESSMENT MEASURES
Student accomplishment of expected student outcomes will be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

1. Lecture test (1,3)
2. Laboratory (written & practical) examinations (2,3)
3. Final examination (1,3)
Individual instructors may order this outline as fits the needs of their individual courses. In addition, they may place more emphasis on some areas than on others. What is assured is that this particular list is covered in the course. Other topics may be added to a course as the instructor sees fit, and as time and interest allow. An *asterisk can be used to mark an item as optional.

I. A systematic approach to the basic physiology of the following systems:
   A. Thermoregulatory
   B. Respiratory
   C. Cardiovascular and lymphatic
   D. Skeletal
   E. Muscular
   F. Nervous
   G. Blood and immune

II. Ward care
   A. Removal from cage
   B. Table placement
   C. Basic restraint
   D. Mouth muzzle
   E. Return to cage

III. Temperature, pulse, respiration

IV. Skin scrapings

V. Auscultation of heart and lungs

VI. Ear cleaning

VII. Assisting veterinarian during examination

VIII. Bathing and grooming

IX. Suture removal, nail trimming

X. Pills per os, enemas, anal glands and fecal retrieval

XI. Drug dispensing, inventory and pharmacy

XII. Introduction to anesthesia
   A. Injectable
   B. Inhalation
C. Tranquilizers
D. Sedatives

XIII. Blood specimen collection
XIV. Fluid administration
XV. Emergency medications
XVI. Shock