

ANIMAL SCIENCE TECH LAB (ATEL)

ATEL 1110 Animal Anatomy Laboratory

Credit Hours: 2

Corequisites: ATE 1110

Lab Fee: Yes

This course is designed to acquaint the student with the structures and systems that make up an animal through the use of anatomic dissection. This laboratory will correlate with ATE 1110 lecture material and will help visualize concepts.

ATEL 1311 Veterinary Office Procedures

Credit Hours: 3

This course is designed to acquaint the student with office procedures, client education, mathematics and veterinary computer applications.

ATEL 1650 Introduction to Exam Room and Clinical Procedures

Credit Hours: 1

Lab Fee: Yes

This course is designed to acquaint the student with basic laboratory and nursing skills, including restraint, history taking, exam room techniques, administration of medication, basic parasitology, and basic clinical pathology procedures.

ATEL 1652 Introduction to Anesthesia, Surgery, and Radiography

Credit Hours: 1

Lab Fee: Yes

This course introduces skills used in veterinary practice for induction and monitoring of anesthesia, preparation of the patient for surgery, surgical assisting, and basic radiographic technique.

ATEL 2501 Professional Development and Ethics Seminar

Credit Hours: 1

This course acquaints the student with standards of ethical and humane veterinary practice, including laws and agencies governing the care, use, and movement of animals. Effective job seeking techniques and resume writing are explored. This capstone course acts as a Veterinary Technician National Examination (VTNE) Board review.

ATEL 2613 Small Animal Diseases and Pharmacology 1 Laboratory

Credit Hours: 1

Prerequisites: ATE 1110 and ATEL 1652 - both courses with a grade of "C" or higher

Lab Fee: Yes

The student will perform basic pharmacology calculations and routine procedures for diagnosis, prevention, and treatment of common small animal infectious diseases, and common ophthalmic, aural, gastrointestinal, and urinary disease states.

ATEL 2614 Small Animal Diseases and Pharmacology 2 Laboratory

Credit Hours: 1

Prerequisites: ATE 2613 and ATEL 2613 - both courses with a grade of "C" or higher

Lab Fee: Yes

This course is designed to provide the student with competence in performing procedures related to the following subjects: Dermatology, Neurology, Cardiology, Respiratory, Reproduction, Pediatrics, Geriatrics, Behavior, and Blood Transfusion Medicine. Skills learned in ATE 2613 and ATEL 2613 will be reinforced.

ATEL 2632 Veterinary Surgical Nursing 2 Laboratory

Credit Hours: 1

Lab Fee: Yes

This course will provide information on basic animal nursing skills, principles of aseptic technique, local and general anesthesia, tranquilization, analgesia, surgical instrumentation, hospital management, and basic principles of patient preparation and monitoring for a variety of procedures. Procedures for minimizing exposure to hazardous substances related to anesthesia and surgery in the small animal patient will also be discussed. More advanced radiographic principles and positioning will also be introduced.

ATEL 2638 Animal Clinical Pathology 1 Laboratory

Credit Hours: 2

Prerequisites: ATE 1110 and ATEL 1110 - both courses with a grade of "C" or higher

Lab Fee: Yes

This course is designed to introduce the student to common parasites, their life cycles, and diagnostic testing. Hematology and the kinetics of the hematopoietic system are discussed with emphasis on normal animal blood smears, common changes seen during disease states, and changes in maturation of erythrocytes and leukocytes. Urinalysis and changes in health and disease are also discussed.

ATEL 2639 Animal Clinical Pathology 2 Laboratory

Credit Hours: 2

Prerequisites: ATE 2638 and ATEL 2638 - both courses with a grade of "C" or higher

Lab Fee: Yes

This course provides practical experience in clinical techniques related to hematology, blood chemistry, urinalysis, serology, and cytology including bone marrow analysis. Microbiology of fungi and bacteria will also be explored.

ATEL 2654 Advanced Anesthesia, Surgery, and Radiography Laboratory

Credit Hours: 1

Lab Fee: Yes

This course is a continuation of previous surgical nursing laboratories. More advanced principles of surgical assisting and anesthesia are presented with a focus on veterinary dentistry in the dog, cat, and rabbit patient. More advanced principles of radiography including dental, skull, shoulder, and OFA and PennHip radiography are discussed. Radiographic quality control and safety are emphasized.

ATEL 2656 Large Animal Clinical and Nursing Skills Laboratory

Credit Hours: 1

Prerequisites: ATE 1636 with a grade of "C" or higher

Lab Fee: Yes

This course is designed to acquaint the student with the common clinical procedures in large animal species. The role of the veterinary technician will be emphasized.