

Veterinary Technology

VET 110 Small Animal Nursing I (3 credit, 1 lecture, 4 lab)

Skill development in handling, restraint, and nursing techniques in dogs and cats. Emphasis on obtaining medical history, record keeping, bathing, administering medicine. Obtaining blood, urine, and fecal specimens, providing client information and preventive health.

VET 111 Small Animal Nursing II (3 credit, 1 lecture, 4 lab)

A continuation of VET 110 with emphasis on bandaging, venipuncture, dentistry, urinary diseases and emergency nursing.

VET 112 Animal Anatomy and Physiology I (4 credit, 3 lecture, 2 lab)

This course provides an overview of the structure and function of animal body systems with a focus on homeostasis. Subjects covered include: fundamental cellular chemistry, physiology, cytology, histology, and anatomy of mammalian and avian species. Laboratory work includes observation of histology slides as well as identification of structures from each system on selected mammalian cadavers.

VET 113 Animal Anatomy and Physiology II (3 credit, 2 lecture, 2 lab)

This course is a continuation of VET 112. Subjects covered include: fundamental cellular chemistry, physiology, cytology, histology, and anatomy of mammalian and avian species. Laboratory work includes observation of histology slides as well as identification of structures from each system on selected mammalian and avian cadavers.

VET 114 Animal Grooming (3 credit, 2 lecture, 2 lab)

This course provides basic knowledge of animal grooming. Basic canine anatomy, coat and skin disorders, animal behavior, safe handling and restraining, and grooming tools and techniques will be included. Grooming standards for specific breeds as well as grooming and clipping techniques for thinning, cutting, and styling each one is covered, as well as creative grooming for mixed breeds.

VET 115 Animal Facilities Management (3 credit, 3 lecture, 0 lab)

This course is designed to introduce the principles and processes involved with housing and caring for animals as part of a business model. In addition, students will be familiarized with other aspects of owning and operating a variety of animal related businesses, including grooming salons, retail businesses, boarding facilities, and shelters. Areas to be addressed include location, zoning, licensure, interior and exterior design, pricing, hiring, equipment and client relations.

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VET 116 Large Animal Nursing (3 credit, 1 lecture, 4 lab)

Handling, restraint, and nursing techniques in horses, cows, swine, and sheep. Fundamentals of selection, management, genetics, nutrition, and physiology of farm animals.

VET 117 Animal Radiology (2 credit, 1 lecture, 2 lab)

Utilization of radiographic equipment on animal and positioning for various anatomical exposure with an emphasis on radiation safety and methods of obtaining high quality diagnostic radiographs.

VET 118 Veterinary Practice Management (2 credit, 2 lecture, 0 lab)

Office practices used in a veterinary hospital including OSHA regulation, invoices, inventory, estimate preparation, record keeping, legal issues, grief management and customer relations.

VET 119 Animal Clinical Lab I (3 credit, 1 lecture, 4 lab)

This course teaches routine laboratory testing with an emphasis on hematology, urinalysis, and fecal examination.

VET 133 Animal Surgical Technology I (3 credit, 1 lecture, 4 lab)

A discussion of dosage and solution problems, dispensing procedures, client education, administration of drugs, and introduction to common veterinary drug classes.

VET 138 Animal Pharmacology I (2 credit, 2 lecture, 0 lab)

A discussion of dosage and solution problems, dispensing procedures, client education, administration of drugs, and introduction to common veterinary drug classes.

VET 219 Animal Clinical Lab II (3 credit, 1 lecture, 4 lab)

Continuation of VET 119. Emphasis on blood chemistry, internal parasites, and CBC's. **Pre-Requisite:** Completion of first year of program and VET 231.

VET 231 Vet Tech Internship I (3 credit, 0 lecture, 25 lab)

Skill and proficiency development through participation in clinical rotations at Humane Societies, clinical practices, animal disease lab and other clinical sites. Rotations include: equine, food animal, surgery, small animal radiology, necropsy, clinical pathology, wildlife, and exotic animals.

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VET 232 Vet Tech Internship II (4 credit, 1 lecture, 25 lab)

Continuation of VET 231 – Emphasis on blood chemistry, internal parasites, and CBCs. **Pre-Requisite:** Successful completion of VET 219, 231, 233, 238, and 239 and completion of first year of Veterinary Technology program.

VET 233 Animal Surgical Technology II (3 credit, 1 lecture, 4 lab)

Continuation of VET 133 with emphasis on anesthesia surgical assisting, trauma, surgery, ophthalmic and thoracic surgery. **Pre-Requisite:** Completion of first year of program and VET 231.

VET 235 Laboratory and Exotic Animals (3 credit, 2 lecture, 2 lab)

Students will be introduced to handling, restraint, and nursing techniques in common laboratory, exotic, and wild animal species. Topics will include: care and use of laboratory animals, sanitary procedures, clinical pathology, and common diseases. **Pre-Requisite:** Completion of first year of program and VET 219, 233, 238, and 239.

VET 236 Animal Management and Nutrition (3 credit, 3 lecture, 0 lab)

This course will introduce basic principles of animal and herd health management including: nutrition, reproduction, pharmacology vaccinations, diseases, and laboratory tests. **Pre-Requisite:** Completion of first year of program and VET 219, 233, 238, and 239.

VET 238 Animal Pharmacology II (2 credit, 2 lecture, 0 lab)

A continuation of VET 138 with emphasis on drugs currently used in veterinary practice. **Pre-Requisite:** Completion of first year of program and VET 231.

VET 239 Animal Diseases (2 credit, 2 lecture, 0 lab)

This course introduces students to the causes, symptoms, diagnosis and treatment of selected diseases of companion animals. Students will gain knowledge of disease processes and how they affect companion animals. Students will learn about commonly seen disease within organ systems of mammals. **Pre-Requisite:** Completion of first year of program and VET 219.