

# Program SLOs

## Veterinary Technology

A.S. Degree – Veterinary Technology

Certificate of Achievement – Veterinary Technology

### Program Student Learning Outcomes From the 2005 PrOF (Program Review)

**P-SLO 1** Apply principles of pharmacology to the practice of veterinary medicine.

**P-SLO 2** Assist the veterinarian in the performance of veterinary medicine and surgery.

**P-SLO 3** Apply the principles of radiography to the practice of veterinary medicine.

**P-SLO 4** Perform clinical laboratory duties within a veterinary hospital.

**P-SLO 5** Utilize the principles of dentistry in the practice of veterinary medicine.

**P-SLO 6** Perform clerical hospital/office duties within a veterinary hospital.

### A.S. - Veterinary Technology Student Learning Outcomes\* To be finalized during the 2009-2010 Curriculum Process (draft below)

**SLO 1** Apply the principles of pharmacology to the practice of veterinary medicine. Interpret written orders, calculate doses, and correctly fill prescriptions in a veterinary pharmacy. Identify the indications and contraindications to the utilization of pharmaceuticals in the practice of veterinary medicine and surgery. Administer medications including but not limited to anesthetics, tranquilizers, pain medications, antibiotics, anti-inflammatories, hormones, chemotherapy agents, and other specialty medications to animals using appropriate techniques.

**SLO 2** Assist the veterinarian in the performance of veterinary medicine and surgery. List and identify instrumentation used in a veterinary hospital. Demonstrate the ability to sterilize instrumentation and maintain equipment in a veterinary hospital. Demonstrate correct tissue handling and suturing techniques in a surgical setting. Correctly restrain animals for treatment including companion, non-domestic, and large animals. Perform nursing functions to include, but not limited to: physical examination, intravenous catheter care, basic life support (BLS), Urinary catheter care, bandaging, and homeostatic maintenance for animals within a veterinary hospital.

**SLO 3** Apply the principles of radiography to the practice of veterinary medicine. Take radiographs of small and large animals using correct radiographic technique. Demonstrate the ability to develop, critique, radiographs, and correct errors in the performance of veterinary radiography. Compare and contrast imaging modalities such as CAT, MRI, and ultrasound with respect to indications and applications of these techniques.

**SLO 4** Perform clinical laboratory duties within a veterinary hospital. Identify common parasite ova and larvae of domestic animals in fecal and blood samples. Perform common laboratory tests utilize to formulate a minimum data base for an animal including, but not limited to the performance of clinical hematology, chemistry, urinalysis, and fecal analysis tests. Formulate a quality control and maintenance program schedule for a clinical in house veterinary laboratory.

**SLO 5** Utilize the principles of dentistry in the practice of veterinary medicine. Demonstrate proper technique in the utilization of dental instruments. Perform non surgical extractions in animals. Communicate to clients home dental care techniques. Perform a dental prophylaxis procedure in small animals.

**SLO 6** Perform clerical hospital/office duties within a veterinary hospital. Maintain financial and patient records. Operate a veterinary office computer system. Maintain logs required by law including radiographic, laboratory, surgical, anesthesia, and controlled substance logs. Organize and maintain an appointment schedule. Perform an inventory of hospital supplies and medications. Demonstrate telephone answering skills such as greeting clients, answering questions and proper telephone etiquette.

\* Developed through the Curriculum Committee approval process.