![Miami Dade College logo]

Course Description

ATE2050L| Small Animal Nursing Lab II| 2.00 credits

Students will perform clinical, diagnostic procedures, dental procedures and assist in surgeries, observe animal behaviors are presented here.

Course Competencies:

Competency 1: The student will acquire knowledge in animal behavior training by:

1. Describing animal psychology factors affecting behavior
2. Producing a complete, detailed history of animals with behavior problems
3. Discussing contemporary and applied animal behavior corrective techniques and the role of the veterinary technician in client education
4. Defining concepts of human-companion-animal- -bond, positive and negative reinforcement, counterconditioning, punishing and rewarding, etc
5. Demonstrating knowledge of animal behavior and its role in animals being surrendered to animal shelters and/or euthanized
6. Citing the most common abnormal behavior in dogs, cats, and horses
7. Assessing the body language of domestic animals
8. Participating in group discussion using student photos of animal behavior

Competency 2: The student will acquire knowledge of advanced clinical and diagnostic procedures by:

1. Demonstrating the proper procedure for obtaining a urine sample using the cystocentesis technique
2. Demonstrating the proper positioning, technique, and appropriate identification for radiographic studies of the canine pelvis
3. Demonstrating and applying knowledge of orthopedic foundation for animals and their role in eradicating hip dysplasia
4. Demonstrating knowledge of the procedural steps involved in radiographic contrast studies such as myelograms, single and double contrast cystograms, and IVPS
5. Outlining the criteria or disease processes where contrast radiography is required
6. Practicing various suturing techniques

Competency 3: The student will demonstrate that they can prepare a patient preoperatively by:

1. Preparing the anesthesia machine for anesthesia
2. Proving that they can aseptically place an IV catheter and maintain the catheter throughout the procedure
3. Exhibiting proper use of the clippers to prep the patient's skin for surgery safely
4. Performing the dirty prep and surgical prep on the patient's skin using the clean hand, dirty hand technique
5. Safely moving the patient from the prep area to the surgical suite
6. Placing monitoring equipment accurately

Competency 4: The student will perform surgical nursing skills required for ovariohysterectomy and castrations in the canine and feline by:

1. Demonstrating knowledge of drugs used in veterinary medicine (pre, peri and post-op)
2. Demonstrating they can calculate drug dosages and IV fluid therapy required for the surgery patient
3. Demonstrating that they can place an IV catheter in various sites used for the canine and feline
4. Demonstrating that they can use anesthetic monitors and interpret information that is provided

5. Demonstrating that they can perform surgical aseptic hand scrub, gloving, and gowning required to participate in surgical procedures
6. Applying knowledge of aseptic technique and the rules of asepsis in the surgical suite
7. Demonstrating that they can handle tissue aseptically and appropriately during surgery
8. Identifying and maintaining surgical instruments during surgical procedures and passing instruments to the doctor as required
9. Demonstrating that they can monitor a patient's postoperatively

Competency 5: The student will demonstrate that they can perform dental prophylactic procedures on the canine and feline by:
1. Showing they can set up dental machines and instruments required for a dental procedure
2. Performing an oral examination of the canine or feline oral cavity
3. Executing oral radiographs of the canine and feline to facilitate diagnosis of periodontal disease
4. Showing they can handle the dental scaler and polisher
5. Identifying all the steps necessary to perform a comprehensive dental cleaning
6. Performing charting of teeth and any dental abnormalities observed

<u>**Learning Outcomes:**</u>
- Communicate effectively using listening, speaking, reading, and writing skills
- Use quantitative analytical skills to evaluate and process numerical data
- Formulate strategies to locate, evaluate, and apply information