



Course Description

ATE2942 | Veterinary Clinical Experience 3 | 4.00 credits

This course provides clinical experience to the student, under the supervision of a veterinarian. Students will enhance the competencies learned in ATE 1940 - Clinical Experience 1 and ATE 1941 - Veterinary Clinical Experience 2 and master skills associated with advanced veterinary technology practice. Prerequisite ATE1941.

Course Competencies:

Competency 1: The student will be able to work in the exam room demonstrating the following by:

1. Exhibiting professional behavior in the exam room toward the patient, client, and other professional staff
2. Showing proper procedure for handling the patient's medical record once the receptionist for the exam room readies it
3. Preparing the exam room for the patient and the client
4. Performing the procedure for calling the client into the exam room and accurately introducing themselves to the client and the patient
5. Performing the required procedures to prepare the patient for examination, including but not limited to weighing the patient, taking TPR, and taking the required history
6. Restraining the patient successfully so the doctor can perform the desired procedure.
7. Retrieving vaccines and handling them appropriately
8. Identifying various vaccines used by veterinary facilities and the protocol recommended.
9. Describing core and non-core vaccines

Competency 2: the student will demonstrate the ability to greet the client professionally by:

1. Canceling and confirming appointments using hospitals veterinary computer program
2. Answering the telephone professionally
3. Taking messages using all the necessary components of a message
4. Identifying and using all necessary forms required by the veterinary hospital (new client, authorization, drop off, boarding, etc.)
5. Preparing records for appointments seen that day
6. Discussing vaccine protocols and recommendations given to clients
7. Discussing the hospital's procedures regarding payment
8. Identifying and discussing various heartworm and flea medications used by the veterinary hospital

Competency 3: the student will demonstrate the following laboratory skills by:

1. Identifying the maintenance procedures for various instruments used in the laboratory
2. Assessing techniques that result in accuracy, precision, and reliability of various tests performed
3. Performing a CBC using an electronic cell counter using the proper technique
4. Performing a spun PCV, recording all necessary parts, and being able to indicate appropriate estimates
5. Making a blood smear demonstrating all three areas with an appropriate size counting area
6. Performing a differential accurately recording WBC and RBC findings
7. Performing a complete urinalysis

8. Performing the setup of a fecal specimen (direct, flotation, centrifugation) and accurately reading sediment

9. Identifying the common intestinal parasites found in dogs and cats
10. Setting up diagnostic ear cytology slide and identifying the elements found
11. Setting up skin scraping and identifying various common parasites seen
12. Demonstrating how laboratory findings are recorded and reported to the doctor and client

Competency 4: the student will demonstrate the following skills required to work in the kennel area of the hospital by:

1. Properly cleaning a cage
2. Properly cleaning food bowls
3. Moving dogs and cats from one cage to another
4. Walking a dog on a leash and maintaining control around other patients
5. Exhibiting proper feeding procedures for the hospitalized or boarding patient
6. Exhibiting general cleaning procedures required to maintain the kennel area
7. Performing proper procedures for bathing a dog and cat
8. Performing a nail trim on a dog and cat
9. Performing procedure for expressing anal glands
10. Administering medication (oral, eye, ear, etc.) To boarding or hospitalized patients

Competency 5: the student will demonstrate they can effectively set up and take radiographs of the abdomen and thorax by:

1. Demonstrating proper use of PPE
2. Setting up an x-ray machine for various radiographs
3. Positioning and collimating for various positions (abdomen and thorax) able to describe a technique using proper terminology
4. Measuring appropriately for each area being radiographed
5. Critiquing technique and making appropriate adjustments
6. Retrieving radiographs (film or digital) to be viewed by the veterinarian
7. Discussing basic positioning criteria for the abdomen, thorax, extremities, and pelvis.
8. Discussing essential factors affecting radiograph quality

Competency 6: the student will demonstrate that they can effectively use the anesthesia machine by:

1. Displaying the flow of oxygen through the anesthesia machine
2. Describing the parts of the anesthesia machine and define their function
3. Troubleshooting the anesthesia machine
4. Choosing the appropriate breathing circuit for the patient (reservoir bag, breathing tubes)

Competency 7: the student will demonstrate the ability to safely and effectively anesthetize patients using hospitals anesthesia protocols by:

1. Discussing the various preanesthetic and anesthetic drugs used (class, function, contraindications, and Adverse side effects)
2. Calculating drugs using dosages provided correctly
3. Administering induction drugs appropriately and safely
4. Demonstrating appropriate monitor techniques when inducing anesthesia
5. Choosing the appropriate size endotracheal tube
6. Intubating a dog and cat using appropriate techniques
7. Demonstrating knowledge of how to securely tie in an endotracheal tube
8. Blowing up endotracheal tube cuff appropriately and safely

Competency 8: the student will demonstrate they can effectively perform dental prophylaxis by:

1. Identifying necessary PPE equipment and how it is used
2. Identifying accurately dental instruments, their function and how they are used

3. Demonstrating charting procedures used by the clinical site
4. Performing a dental clean (scaling and polishing) safely
5. Discussing the procedures specific to dental prophylaxis and monitoring of anesthesia

Competency 9: student can demonstrate proper surgical room etiquette by:

1. Displaying proper attire worn in the surgical suite
2. Moving adequately about the surgical suite and maintain sterility of the area
3. Passing surgical instruments using sterile techniques
4. Identifying different methods of gloving and can

Competency 10: the student will demonstrate procedures used to maintain, clean, and pack instruments by:

1. Displaying knowledge of the autoclave and how to use it
2. Packing the autoclave appropriately
3. Displaying knowledge of factors affecting the sterilization process
4. Displaying knowledge of how gas sterilization (ethylene oxide) works and how it is used in a clinical setting

Competency 11: the student will demonstrate the ability to prepare a surgical suite for an anesthetic procedure by:

1. Demonstrating the ability to set up a room appropriate for the procedure (e.G., Packs, suture material, monitoring equipment, accessory equipment necessary)
2. Demonstrating the ability to identify surgical instruments needed
3. Demonstrating the ability to perform post-surgical room clean-up

Learning Outcomes:

- Communicate effectively using listening, speaking, reading, and writing skills
- Use quantitative analytical skills to evaluate and process numerical data
- Solve problems using critical and creative thinking and scientific reasoning.
- Use computer and emerging technologies effectively