

# Course Competency

## ATE 1941 VETERINARY CLINICAL EXPERIENCE 2

### Course Description

This course consists of supervised clinical experience in the veterinary workplace. Students will learn to enhance the competencies from ATE 1940 Veterinary Clinical Experience 1 while adding application of classroom knowledge in pharmacology, clinical laboratory procedures, and radiology. A.S degree credit only. 3 credits (144 hr. clinic)

Course Competency	Learning Outcomes
<p><b>Competency 1:</b>The student will demonstrate they can effectively set up and take radiographs of the abdomen and thorax by:</p>	<ol style="list-style-type: none"> <li>1. Communication</li> <li>2. Numbers / Data</li> <li>3. Critical thinking</li> <li>4. Information Literacy</li> </ol>
<ol style="list-style-type: none"> <li>1. Demonstrating proper use of PPE.</li> <li>2. Setting up an x-ray machine for various radiographs.</li> <li>3. Positioning and collimating for various positions (abdomen and thorax)-able to describe techniques using proper terminology.</li> <li>4. Measuring appropriately for each area being radiographed.</li> <li>5. Critiquing techniques and make appropriate adjustments.</li> <li>6. Retrieving radiographs (film or digital) to be viewed by the veterinarian.</li> <li>7. Discussing basic positioning criteria for the abdomen, thorax, extremities and pelvis.</li> <li>8. Discussing basic factors affecting radiograph quality.</li> </ol>	
<p><b>Competency 2:</b>The student will demonstrate that they can set effectively use the anesthesia machine by:</p>	<ol style="list-style-type: none"> <li>1. Environmental Responsibility</li> </ol>
<ol style="list-style-type: none"> <li>1. Demonstrating the flow of oxygen through</li> </ol>	

<p>the anesthesia machine.</p> <ol style="list-style-type: none"> <li>2. Describing the parts of the anesthesia machine and define their function.</li> <li>3. Assessing issues with the anesthesia machine.</li> <li>4. Picking appropriate breathing circuit for patient (reservoir bag, breathing tubes)</li> </ol>	
<p><b>Competency 3:</b>The student will be able to safely and effectively anesthetize patient using hospitals anesthesia protocols by:</p>	
<ol style="list-style-type: none"> <li>1. Discussing various preanesthetic and anesthetic drugs used (class, function, contraindications, and adverse side effects).</li> <li>2. Calculating drugs using the dosages provided.</li> <li>3. Administering induction drugs appropriately and safely.</li> <li>4. Demonstrating appropriate monitor techniques when inducing anesthesia.</li> <li>5. Choosing the appropriate size of endotracheal tube.</li> <li>6. Intubating a dog and cat using appropriate techniques.</li> <li>7. Tying in an endotracheal tube securely.</li> <li>8. Blowing up the endotracheal tube cuff appropriately and safely.</li> <li>9. Recognizing the enviromental impact on anesthetic equipment leaks.</li> </ol>	
<p><b>Competency 4:</b>The student will be able to effectively and safely monitor anesthesia during dental and various surgical procedures by:</p>	
<ol style="list-style-type: none"> <li>1. Demonstrating that they can effectively monitor patients without monitoring equipment</li> <li>2. Demonstrating that they can effectively use monitoring equipment that is available in their clinical setting</li> <li>3. Demonstrating that they know the appropriate ranges for monitoring parameters for the anesthetized patient</li> <li>4. Demonstrating they understand how to</li> </ol>	

<p>correctly monitor for the depth of anesthesia and make appropriate adjustments as necessary</p> <p>5. Demonstrating they can accurately document anesthetic monitoring</p>	
<p><b>Competency 5:</b>The student will be able to effectively monitor a patient post anesthesia by:</p>	
<ol style="list-style-type: none"> <li>1. Demonstrating knowledge of what parameters to monitor post anesthesia</li> <li>2. Demonstrating they know when and how to extubate anesthetic patient</li> <li>3. Being able to identify necessary PPE equipment and how they are used</li> <li>4. Being able to accurately identify dental instruments, their function and how they are used</li> <li>5. Being able to demonstrate charting procedure used by clinical site</li> <li>6. Being able to perform a dental clean (scaling and polishing) safely</li> <li>7. Being able to discuss procedures specific to dental prophylaxis and monitoring of anesthesia</li> </ol>	
<p><b>Competency 6:</b>The student will be able to demonstrate proper surgical room etiquette by:</p>	
<ol style="list-style-type: none"> <li>1. Demonstrating proper attire worn in the surgical suite.</li> <li>2. Demonstrating that they can properly move about the surgical suite and maintain sterility of area.</li> <li>3. Demonstrating that they are able to pass surgical instruments using sterile technique.</li> <li>4. Identifying different methods of gloving and is able to glove as required based on procedure being performed.</li> <li>5. Demonstrating they know how to tie surgical gown using aseptic technique.</li> </ol>	
<p><b>Competency 7:</b>The student will demonstrate procedures used to maintain, clean, and pack instruments by:</p>	

<ol style="list-style-type: none"> <li>1. Demonstrating knowledge of autoclave and how to use the autoclave.</li> <li>2. Demonstrating they know how to pack the autoclave appropriately.</li> <li>3. Demonstrating knowledge of factors affecting the sterilization process.</li> <li>4. Demonstrating knowledge of how gas sterilization (ethylene oxide) works and how it is used in clinical setting.</li> </ol>	
<p><b>Competency 8:</b> The student will demonstrate the ability to prepare surgical suite for anesthetic procedure by:</p>	
<ol style="list-style-type: none"> <li>1. Demonstrating that they can set up surgical suite appropriate for procedure (e.g. packs, suture material, monitoring equipment, accessory equipment necessary).</li> <li>2. Demonstrating that they are able to identify surgical instruments needed.</li> <li>3. Demonstrating that they can perform post-surgical room clean up.</li> </ol>	

Updated: FALL TERM 2022