Miami Dade College

Course Competency

ATE 2655L ANIMAL NURSING AND MEDICINE LAB 1

Course Description

This course is designed to acquaint the student with exam room and restraining techniques, anesthesia and surgical protocols and diagnostics imaging procedures used in veterinary hospitals (4-hour lab).

Course Competency	Learning Outcomes
Competency 1: The student will manage all client and patient paperwork regarding intake of patients for anesthetic procedures by:	1. Communication 2. Numbers / Data 3. Critical thinking 4. Information Literacy 5. Computer / Technology Usage 6. Social Responsibility 7. Ethical Issues 8. Environmental Responsibility
1. Demonstrating that they can accurately intake a patient for an anesthetic procedure by having all forms completed by the client · The student will demonstrate that they can accurately assemble a new patient record · The student will demonstrate that they can accurately and professional record required information in a patient medical record · The student will demonstrate that they can accurately file patient record	
Competency 2: The student will demonstrate the proper use of the controlled drug log by:	
1. Demonstrating knowledge of controlled drugs used for anesthetic procedures and for pain management · The student will accurately record information in a controlled drug log	
Competency 3: The student will demonstrate they	

understand the parts and the functions of the anesthesia machine by:	
1. Identifying the components of the anesthesia machine · Students will be able to explain the function of each part of the anesthesia machine · Student will be able to perform a leak test, identify a leak and how to fix a leak · Student will be able to identify various tanks used to hold compressed gases, their volumes and pressures · Student will be able to properly attached oxygen tank · Student will be able to set up anesthesia machine for various size patients-choosing correct breathing system and reservoir bag · Student will be able to use various logs/ documents used in maintenance of the anesthesia machine	
Competency 4: The student will demonstrate knowledge of how to monitor patient without the use of monitoring equipment by:	
1. Demonstrating that they can take an accurate pulse rate and interpret it · The student will demonstrate that they can take an accurate heart rate and interpret it · The student will demonstrate that they can take a temperature and interpret it · The student will demonstrate they can assess mucus membrane color and interpret it · The student will demonstrate that they can take a capillary refill time and interpret it · The student will demonstrate that they can interpret perfusion parameters · The student will demonstrate that they can take a respiratory rate and interpret it	
Competency 5: The student will demonstrate that they can accurately set up the various monitoring devices and recognize normal and abnormal values by:	
1. Demonstrating that they can accurately attach the various monitoring devices · The student will demonstrate	

understanding of the information obtained from various monitoring equipment used in a veterinary hospital · The student will demonstrate knowledge of how to interpret data obtained from monitoring · The student will demonstrate knowledge of how to address abnormal values · The student will demonstrate the pathophysiology of abnormal values	
Competency 6: The student will demonstrate the proper set up of IV Fluid therapy and fluid maintenance for the anesthesia patient by:	
1. Identifying the various types of catheters and their specific advantages and disadvantages · The student will demonstrate proper aseptic preparation of the catheter site · The student will demonstrate proper placement of an IV catheter using aseptic technique · The student will demonstrate proper taping method for the type of catheter and vessel used · The student will demonstrate proper maintenance of the catheter site · The student will demonstrate proper removal of the catheter · The student will demonstrate aseptic technique in preparing the fluid bag and administration set · The student will demonstrate that they can calculate fluid rate for anesthesia patient · The student will demonstrate that they can recognize the clinical signs of fluid overload · The student will demonstrate they understand the advantages and disadvantages of fluid therapy during anesthetic procedures	

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