

<b>Course Title: Veterinary Assisting 2 (edits)</b>			
<b>Course Number: 8111540</b>			
<b>NGSSS Benchmark</b>	<b>Content Focus</b>	<b>Number of Questions</b>	<b>Suggested Cognitive Complexity (per CPALMS)</b>
<b>Reporting Category 1: Demonstrate basic first aid for companion and livestock animals.</b>			
15.01 SC.912.N.1.1	Recognize emergency health (physical and behavioral) status.	2	2 level 2
15.06 SC.912.N.1.1	Describe and access up-to-date information on animal health.	1	1 level 1
<i>Reporting Category Total</i>		3	
<b>Reporting Category 2: Demonstrate the use of tools, equipment, and instruments in the veterinary science and companion animal industry.</b>			
16.01 SC.912.L.14.4, SC.912.N.1.1	Identify and select the proper tools, equipment, and instruments for a specific job.	3	3 level 1
16.02 SC.912.P.12.3, 4	Describe the principles of selected mechanical applications as it relates to large animal restraint equipment (e.g., levers, pulleys, hydraulics).	1	1 level 2
16.03 SC.912.L.14.4, SC.912.N.1.1	Demonstrate the ability to use an equipment or instrument manual.	1	1 level 3
16.07 SC.912.L.14.4, SC.912.N.1.1	<i>Explain appropriate materials for cleaning the microscope</i>	1	1 level 1
16.08 SC.912.N.1.1	<del>Demonstrate the centrifugation of a sample</del>	1	1 level 1
16.09 SC.912.N.1.1	Explain the purpose of the blood analyzer machine.	1	1 level 2
<i>Reporting Category Total</i>		6 8	
<b>Reporting Category 3: Demonstrate proper techniques in taking vital signs.</b>			
17.05 SC.912.N.1.1	Identify normal and abnormal range for each parameter (TPR, MM, and CRT).	3	3 level 1
<i>Reporting Category Total</i>		3	
<b>Reporting Category 4: Identify common breeds of livestock animals</b>			
18.01 SC.912.L.15.4, 5, 6	Identify bovine breed and their characteristics.	2	2 level 1
18.02 SC.912.L.15.4, 5, 6	Identify ovine breed and their characteristics.	2	2 level 1
18.03 SC.912.L.15.4, 5, 6	Identify caprine breed and their characteristics.	2	2 level 1
18.04 SC.912.L.15.4, 5, 6	Identify porcine breed and their characteristics.	2	2 level 2
18.05 SC.912.L.15.4, 5, 6	Identify equine breed and their characteristics.	1 2	1 2 level 2
18.06 SC.912.L.15.4, 5, 6	Identify poultry breed and their characteristics.	1	1 level 2
<i>Reporting Category Total</i>		10 11	
<b>Reporting Category 5: Identify parts and functions of various systems of selected animals.</b>			
19.01 SC.912.L.14.11, SC.912.L.14.16	Identify internal and external anatomy of selected animals.	2	2 level 1

19.02 SC.912.L.14.13,14,15	Identify parts of the skeletal system of selected animals.	2	2 level 1
19.03 SC.912.L.14.13,14,15	Compare the human skeletal system to that of other animals.	2	1 level 2 1 level 3
19.04	Identify parts and functions of the following systems of animals using correct terminology:		
SC.912.L.14.43,44	<i>19.04.01 Identify the general function of the respiratory system and the major organs</i>	2	1 level 1 1 level 3
SC.912.L.14.13,14	<del><i>19.04.02 Identify the general function of the skeletal system and the major bones of the axial and appendicular skeleton</i></del>	<del>2</del>	<del>1 level 1 1 level 3</del>
SC.912.L.14.16,17,18,19,20	<del><i>19.04.03 Identify the general function of the muscular system and major groups of muscles</i></del>	<del>1</del>	<del>1 level 3</del>
SC.912.L.14.45,46 SC.912.L.18.11	<i>19.04.04 Identify the general function of the digestive system and the major organs</i>	3	1 level 1 1 level 2 1 level 3
SC.912.L.14.34,35,36,37,38,39	<i>19.04.05 Identify the general function of the cardiovascular system and the major organs</i>	1	1 level 1
SC.912.L.14.29, 31, 32	<i>19.04.07 Identify the general function of the endocrine and the major organs</i>	1	1 level 1
SC.912.L.14.47,48	<i>19.04.08 Identify the general function of the urinary system and the major organs</i>	1	1 level 1
SC.912.L.14.33 SC.912.L.15.12,13,15 SC.912.L.16.13	<i>19.04.09 Identify the general function of the reproductive system and both male and female organs</i>	2	1 level 2 1 level 3
SC.912.L.14.21,22,24,25,26,27,28,49, 50	<i>19.04.10 Identify the general function of the nervous system and the major organs</i>	1	1 level 2
SC.912.L.14.11, 51	<i>19.04.11 Identify the general function of the integumentary system and the major organs</i>	1	1 level 1
SC.912.L.14.45,46 SC.912.L.18.2,3,4,11 SC.912.N.1.1	<i>19.04.12 Explain the species differences in species of the digestive tracks of ruminates monogastric non-ruminants, and hindgut fermenters</i>	2	1 level 2 1 level 3
SC.912.L.14.45,46 SC.912.N.1.1	<i>19.04.13 Explain the differences in the teeth and eating habits for omnivores, carnivores and herbivores</i>	1	1 level 2
<b>Reporting Category Total</b>		<b>20 24</b>	
<b>Reporting Category 6: Investigate the common husbandry practices and daily care of companion animals and exotic animals and fish.</b>			
20.01 SC.912.L.14.6	Describe husbandry and care of guinea pigs.	1	1 level 1
20.02 SC.912.L.14.6	Describe husbandry and care of chinchillas and degus.	1	1 level 1
20.03 SC.912.L.14.6	Describe husbandry and care of ferrets.	1	1 level 1
20.04 SC.912.L.14.6	Describe husbandry and care of amphibians.	1	1 level 1
20.05 SC.912.L.14.6	Describe husbandry and care of reptiles.	1	1 level 1
20.06 SC.912.L.14.6	Describe husbandry and care of birds.	1	1 level 1
20.07 SC.912.L.14.6	Describe husbandry and care of fish.	1	1 level 1
<b>Reporting Category Total</b>		<b>7</b>	
<b>Reporting Category 7: Explain the various methods of animal identification.</b>			

21.01 SC.912.L.17.13	<del>Explain types of identification tags and their use.</del>	1	1 level 2
21.02	Explain the use of microchips for animal identification.	1	1 level 1
21.03 SC.912.L.17.13	Explain types of tattoos for animals and the use in both companion and production animals.	1	1 level 2
21.04 SC.912.L.17.13	<del>Explain the types of ear tags and their use in production animals.</del>	1	1 level 1
<i>Reporting Category Total</i>			2

Overall Percentage for Written Test: 60%

Overall Percentage for Performance Tasks: 40%

**Course Name:** Veterinary Assisting 2

**Course Number:** 8111540

Overall Percentage for Performance Tasks: 40%

<b>Performance Task #1</b>	<b>Administer first aid to a wound.</b>
<b>Weighting Percent for this Task</b>	10%
<b>Standard</b>	15.02 Describe procedures to restrain and move injured animals. 15.03 Demonstrate hemorrhage control. 15.04 Dress wounds and punctures.
<b>Exemplar</b>	n/a
<b>Additional Information</b>	<b>Student will demonstrate the proper procedure to access injury, treat and bandage wound.</b>
<b>Suggested Assessment Team</b>	<b>Instructor and peer evaluators.</b>

**Performance Task 1****Administer first aid to a wound.**

A. Restraint and Handling of Injured Animals (Student will demonstrate one of the following restraints)

\_\_\_\_\_ Restraint of Dog in Sternal Recumbency

Criteria	Possible Points	Points Earned
The student puts a noose leash on the dog.	1	
The student begins with the dog sitting.	1	
The student places one arm around the dog's neck and places the other arm around the dog's neck to grasp the forelimbs.	1	
The student pushes the dog's back with his/her body to encourage the dog to lie down.	1	
The student positions the dog so that head can be examined.	1	
	5	

\_\_\_\_\_ Restraint of Dog in Lateral Recumbency

Criteria	Possible Points	Points Earned
The student puts a noose leash on the dog.	1	
The student places dog in standing position.	1	
The student places his/her right arm across the dog's neck and reaches between the front legs to grasp the dog's right forelimb in right hand.*	1	
The student places left hand over dog's back and reaches for the dog's right rear limb, just proximal to the hock.*	1	
With the dog's body close, the student gently lifts the limbs while allowing the dog's body to move to the table, the dog should be on it's right side.*	1	
	5	

\*Student can reverse the direction and work from the left side.

\_\_\_\_\_ Restraint of a Rabbit

Criteria	Possible Points	Points Earned
The student approaches rabbit calmly and quietly.	1	
The student scruffs the rabbit with one hand while gently lifting the front end.	1	
The student's other hand immediately reaches under the hind limbs and holds them. (not allowing the hind limbs to dangle).	1	
The student rests the rabbit's body on the arm with the hand holding the hind limbs..	1	
The scruffing hold is released and the hand is moved to hold the elbow of the opposite arm.	1	
	5	

\_\_\_\_\_ Haltering a Horse

Criteria	Possible Points	Points Earned
The student approaches horse calmly, talking quietly and at a 45° angle to the left shoulder.	1	
The student passes enough rope over the horse's neck to form a hand held loop.	1	
With hand held loop in right hand, student uses left hand to slip noseband of halter over nose.	1	
With right hand under neck, student passes crown strap over head and behind ears, attaching to buckle on near side, adjusting to proper fit.	1	
Student attaches lead strap to proper halter ring and undrapes rope from horse's neck.	1	
	5	

B. Demonstrate Hemorrhage Control and Bandage Wounds.

Criteria	Possible Points	Points Earned
After animal is properly restrained, student applies direct pressure using finger, hand, gauze or towel to stop bleeding.	1	
Student will carefully clean wound.	1	
Student applies gauze pad to wound.	1	
Students , wrap a gauze bandage with one-third of the bandage being exposed on each wrap, checking tension as they go.	1	
Student applies adhesive tape to secure gauze.	1	
	5	

<b>Performance Task #2</b>	<b>Collect Fecal samples and prepare for examination under microscope.</b>
<b>Weighting Percent for this Task</b>	10%
<b>Standard</b>	<b>16.06</b> <i>Demonstrate the proper placement of a slide in the microscope and focus on 100X and 400X magnification</i>
<b>Exemplar (If applicable)</b>	n/a
<b>Additional Information</b>	<b>Student will collect fecal samples, prepare floatation and examine under microscope. Student will identify parasites and then correctly clean microscope and dispose of samples.</b>
<b>Suggested Assessment Team</b>	<b>Instructor and peer evaluators.</b>

**Performance Task #2      Collect Fecal samples and prepare for analyzing using a microscope.**

Criteria	Possible Points	Points Earned
Student selected about ¼ teaspoon of feces and placed into fecalyzer.	1	
Student added enough flotation solution to fill fecalyzer about ½ full.	1	
Student mixed the feces into solution until no large fecal particles remain.	1	
The student places insert into fecalyzer.	1	
The student filled vial with more solution until there was a visible meniscus at the top.	1	
The student placed a cover slip on top of the fecalyzer.	1	
The student allowed the vial to sit undisturbed for 10-15 minutes	1	
The student carefully removed the cover slip without tilting it and placed on a microscope slide.	1	
The student rotated nosepiece if necessary to lowest power objective setting (4x) and placed slide on microscope stage properly.	1	
Student sanitized hands using soap and water or hand sanitizer.	1	
	10	

<b>Performance Task #3</b>	<b>Physical Exam</b>
<b>Weighting Percent for this Task</b>	10%
<b>Standard</b>	17.01 Obtain and record the TPR (Temperature, Pulse and Respiration) with minimal discomfort to the pet. 17.02 Demonstrate how to use, clean, and store thermometers 17.03 Appropriately identify and record MM. (mucus membrane color) 17.04 Appropriately obtain and record CRT. (Capillary refill time)
<b>Exemplar (If applicable)</b>	n/a
<b>Additional Information</b>	Student will demonstrate the proper technique for giving a physical exam and record the information correctly.
<b>Suggested Assessment Team</b>	<b>Instructor and peer evaluators.</b>

### **Performance Task #3      Physical Exam**

Criteria	Possible Points	Points Earned
Student described temperature-taking procedure (or performed if animal available), then read the thermometer and recorded results within .2 degrees.	2	
Student described pulse taking procedure (or performed if animal available) and recorded results.	2	
Student described respiration taking procedure (or performed if animal available) and recorded results.	2	
The student obtained weight, using scale and recorded.	2	
Student completed physical form with animal species, breed, sex, age and date.	2	
	10	

<b>Performance Task #4</b>	<b>CPR</b>
<b>Weighting Percent for this Task</b>	10%
<b>Standard</b>	15.07 Demonstrate animal CPR.
<b>Exemplar (If applicable)</b>	N/a
<b>Additional Information</b>	Student will demonstrate proper CPR.
<b>Suggested Assessment Team</b>	<b>Instructor and peer evaluators.</b>

#### **Performance Task #4      CPR**

Criteria	Possible Points	Points Earned
Student checked for open airway.	1	
Student laid animal down on right side.	1	
Student gently tilted head slightly back to extend the neck and head.	1	
Student pulled tongue between front teeth.	1	
Student performed finger sweep to check for and remove any foreign material or vomit from mouth.	1	
Student sealed animal's mouth with grasping the muzzle and encircling it with hand. Placed mouth directly against the hand and forcefully exhaled, giving 4-5 quick breaths at a rate of 20 breaths per minute.	1	
Student rechecked breathing and checked for heartbeat or femoral pulse.	1	
Student kneeled next to pet with animal's spine against student's knees.	1	
Student placed the palm of both hands clasped together over the ribs at the point where the elbow touches the chest.	1	
Student compressed the chest by approximately 25-33% with elbows locked during compressions, alternating 5 compressions for each breath, then checked for pulse.	1	
	10	