

VS107
Animal Care and Nursing II
3 Credits

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VS107 Version: 5



Animal Care and Nursing II

Calendar Description

This course offers the Animal Health Technologist an opportunity to practice restraint, physical examinations, injections and venipuncture techniques on both large and small animals as well as rabbits and birds. Students are also responsible for the care and medical records on kennel patients. Students learn about administering medications, general nursing care as well as disinfectants in veterinary clinics and on farm. An introduction to the husbandry, handling, and clinical diseases of ferrets, rabbits, pocket pets, exotics and birds is covered.

Rationale

This course is required for first year Animal Health Technology student. It is designed to enhance the skills already learned and to develop new technical skills and knowledge that are required in clinical situations.

Prerequisites

None

Co-Requisites

None

Course Learning Outcomes

Upon successful completion of this course, students will be able to

1. safely restrain the common domestic species and exotics for examination, treatment, or specimen collection.
2. perform physical examinations on exotic, large and small animals.
3. explain various routes that medications are administered.
4. correctly use a balling gun on a cow and place a cattle stomach tube.
5. identify correct needle sizes and lengths and explain what species and sites they would be used.
6. perform subcutaneous and, intramuscular injections on large animals.
7. perform subcutaneous injections on small animals.

8. safely restrain large animal patients for examination, injections and treatments.
9. collect blood samples from the common domestic species, via the cephalic, jugular, and coccygeal veins.
10. place an intravenous catheter and correctly bandage it in place.
11. complete medical records and perform kennel care on hospitalized patients.
12. explain techniques of specialized care for hospitalized patients.
13. explain the rationale and procedure for placing a urinary catheter.
14. identify various urine collection techniques.
15. explain the procedures required for assisted feeding, medicating, and monitoring of veterinary patients.
16. explain the proper handling and restraint techniques of ferrets, rabbits, pocket pets, laboratory animals, exotics, and birds.
17. explain immunology as it relates to disease.
18. explain the husbandry and disease prevention of ferrets, rabbits, pocket pets, laboratory animals, and birds.

Resource Materials

Required Text:

None

Reference Text(s):

McCurnin, D. M. (2018). *Clinical textbook for veterinary technicians* (9th ed.). St. Louis, Missouri: Elsevier.

Warren, D. (2016). *Small animal care & management* (4th ed.). Delmar, Cengage Learning.

Ballard, B., & Cheek, R. (2017). *Exotic animal medicine for the veterinary technician* (3rd ed.). Ames, Iowa: Wiley-Blackwell Publishing Company.

Conduct of Course

This course consists of three hours of lecture (42 hours total) and 1.5 hours of lab bi-weekly (9 hours total).

The class is divided into four lab sections. Labs stress the hands on skills necessary for veterinary practice. They are both in the clinic and out in the college farm barns, so appropriate attire must be worn. Lab coats or scrub tops for small animal and exotic labs and coveralls and steel toed boots for the large animal labs. A stethoscope and pen are also required for each lab. Kennel care requires out of class hours.

The lecture portion covers the background knowledge of the main objectives of the course.

Classroom instruction includes lectures, videos and guest speakers to enhance the lecture material when appropriate.

Evaluation Procedures

Lecture Portion*	
Semester Project	10%
Midterm Exam	15%
Assignments/Quizzes	10%
Final Exam	25%
Lab Portion**	
Clinical Skills	10%
Kennel Care	8%
Assignments	22%
Total	100%

Assignments/Makeup Exams/Quizzes:

- Assignments/projects are due by 4:30 pm on the day the assignment/project is due.
- Makeup exams may be given in the case of a previously discussed and excused absence. Student is expected to make it up as soon as possible (prior to the next class period if possible).
- The instructor reserves the ability to hold pop quizzes throughout the semester with no prior notification.

A passing grade of "B-" must be obtained in the lab portions of this course in order for a Pass grade to be given. A "C" must be obtained in the lecture portion of this course in order for a pass grade to be given.

Clinical skills are hands-on skills that are performed by the student and graded in the lab sections.

Lakeland College is committed to the highest academic standards. Students are expected to be familiar with Lakeland College policies related to academic conduct and academic honesty and to abide by these policies. Violations of these policies are considered to be serious and may result in suspension or expulsion from the College.

Grade Equivalents and Course Pass Requirements

Letter	F	D	D+	C-	C	C+	B-	B	B+	A-	A	A+
Percent Range	0-49	50-52	53-56	57-59	60-64	65-69	70-74	75-79	80-84	85-89	90-94	95-100
Points	0.00	1.00	1.30	1.70	2.00	2.30	2.70	3.00	3.30	3.70	4.00	4.0

Students must successfully pass or complete the lecture portion of the course with a 60% (C), and the lab portion with a 70% (B-). A mark in the lecture portion of 50-59% is recorded as a 'D'. A mark of 50-69% in the lab portion is recorded as a 'D'.

This course is required to progress to any second year course.

Attendance

Classroom and laboratory attendance is considered vital to the learning process and as significant to the students' evaluation as examinations and reports, therefore absenteeism is recorded.

- a. Students having a combination of excused and/or unexcused absence of 20 percent or higher for the scheduled course hours can be required to withdraw and would then automatically receive a "RW" (required withdrawal) for the course, regardless of any other evaluation results. (RW is a failing grade).
- b. An excused absence is one that is verified with your instructor. Verification should be prior to the absence or the next class day following the absence. Verification of the absence may take the form of a note from your doctor/College nurse regarding illness, or a note from another instructor regarding a field trip or other activity, or authorization by your instructor following an in-person meeting. Be sure to contact your instructor and ask what they will require from you as verification for each absence. An unexcused absence is anything NOT verified by the instructor prior to the absence or the next class day following the absence.

NOTE: Any exceptions to the above attendance policy (e.g. timetable conflicts, work-related issues) must be approved in writing by the Department Chair prior to the beginning of the course.

It is the students' responsibility to know their own absentee record.

Normal hours are 8:30 a.m. to 6:30 p.m., with potential for evening courses, exams or extended field trips. Students are expected to be available for classes during these times.

Course Units/Topics

Labs:

Include working with a wide range of large and small animals.

Canine, Feline, Lagomorph, Avian, Ovine, Equine and Bovine.

Skills covered include restraint, physical examinations and needle gauges and lengths used in each of the species. There is a focus on injections, blood collection and use of the devices and equipment relevant to that species.

Lecture:

- 1) Review of Immunology as it relates to disease
- 2) Review of restraint techniques for both large and small animal
- 3) Medication routes, side effects and calculations
- 4) Treatment procedures for assisted feeding
- 5) Review of injection techniques, sites and needle size/length requirements
- 6) Intravenous catheter placement and care
- 7) Urine collection methods
- 8) Urinary catheter techniques and care

The care, feeding, housing, handling and common diseases/ailments of

- a. Ferrets
- b. Rabbits
- c. Hamsters
- d. Gerbils
- e. Guinea Pigs
- f. Chinchillas
- g. Hedgehogs
- h. Rats
- i. Mice
- j. Reptiles, Amphibians
- k. Pet birds



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