

**VS208**  
**Clinical Practices**  
**3 Credits**

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## VS208 Version: 6



## Clinical Practices

### Calendar Description

This course is required for second year Animal Health Technology students. It is designed to develop new technical skills and knowledge that are required in emergency, critical care, and large animal clinical situations.

The lecture portion covers advanced nursing care, triage, blood transfusion medicine, toxicities, anesthetic emergencies, CPR and other emergency and critical care procedures practiced in Veterinary Medicine. The lab portion may consist of small animal surgery, small animal dental, large animal anesthesia, nerve blocks, CPR, and emergency medicine techniques, and continues to utilize skills learned in VS202, VS203 and VS220.

### Rationale

This is a required course for second year students in the Animal Health Technology program. The primary focus of VS208 is for students to learn the process of CPR and emergency protocols necessary to know for any Veterinary practice setting. Large animal anesthetic skills are also practiced in this course. Mixed animal Veterinary practices expose students to anesthetic and sedation procedures on a variety of animal species. Students learn bovine epidurals and equine sedation techniques, and may assist in equine castration surgery.

### Prerequisites

VS202, VS203, and VS220

### Co-Requisites

None

### Course Learning Outcomes

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

1. demonstrate correct dosage and fluid calculations for small and large animal pharmaceuticals.

2. (students may have the option) review and demonstrate steps followed for small animal surgery, dentistry and anesthesia.
3. demonstrate the steps required in respiratory arrest and CPR.
4. perform a Bovine Epidural or assist in equine castration.
5. explain common surgical procedures, including emergency procedures which may be required in Veterinary practice.
6. explain potential causes of anesthetic emergencies and demonstrate steps taken to prevent and correct such situations.
7. explain theory behind local analgesia and regional blocks in small animals.
8. explain the theory and describe emergency procedures such as chest tube placement and care, and tracheostomy care.
9. explain the drugs used in equine sedation and associated concerns.
10. explain and demonstrate the steps and techniques required for CPR.
11. explain the ABC's of emergency medicine, and understand the steps required to triage.
12. explain the common toxicities that we see in small animal medicine.
13. explain the common urgent emergency cases commonly encountered in small and large animal veterinary practices.

## **Resource Materials**

### ***Required Text(s):***

None

### ***Reference Text(s):***

None

## **Conduct of Course**

This course continues on the principles learned in VS202, and students are required to know the material from VS202 for examination in VS208.

This course consists of 42 hours of lecture and 15 hours of lab.

The lecture portion of the course covers the theory of Equine sedation and general anesthesia, regional and local anesthesia techniques, emergency triage emergency medicine and critical nursing care, blood transfusions, anesthetic emergencies and commonly encountered emergencies in practice. Students are expected to know the material from VS203 and VS202 for evaluation procedures, and use during VS208.

The lab portion may give the students the opportunity for optional additional experience in small animal surgery, dentistry, equine general anesthesia, or bovine regional anesthetic techniques, as well as required labs in CPR and emergency scenarios.

Large animal labs are performed on the Lakeland College farm or animal health clinic, and appropriate clothing must be worn (coveralls, boots).

Each lab is laid out as to the duties or preparation required. Failure to be prepared for lab may result in the student being asked to leave and obtaining a 0 for that lab.

### Evaluation Procedures

Lecture Portion:	
Midterms (2):	40%
Assignment/quizzes:	10%
Final Exam:	25%
Lab Portion:	
Individual Labs:	10%
General Anesthesia Project	15%
Required Competencies	P/F

*\*Successful completion of all assigned course competencies is a requirement for passing the course. Evaluation of competencies is based on the student’s ability to independently complete the procedure correctly, accurately and within a specified period of time. Competencies are scored on a pass/fail basis.*

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’.**

**A grade of C (60%) in the lecture portion of this course and a B- (70%) in the lab portion of this course is required to progress to VS 210 Animal Health Technologist Practicum.**

### Attendance

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

- a. Students having a combination of excused and/or unexcused absence of 20 percent or higher for the scheduled course hours will be required to withdraw and will 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. 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

Local and Regional Anesthesia Techniques in Small Animal Medicine

Anesthetic Emergencies

Blood Transfusion Medicine

Triage

Emergency Medicine and Critical Care Techniques

Advanced Nursing Care and Medical Procedures

Preparation of an Emergency Area or Crash Cart

Common Emergencies in Veterinary Practice: Small and Large Animal



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