

# VEM 5473 Large Animal Anesthesiology

SEMESTER: FALL 2021

CREDIT HOURS: 15

GRADING SYSTEM: A-E GRADING

PHASE: III

## Course Coordinator

Name: Luisito Pablo, DVM, MS, DACVAA

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Office Hours: By appointment only

## Course Description

Large Animal Anesthesiology (VEM 5473) is a one-hour credit elective course which consists of 14 lectures. The main goal of the course is to provide students the principles and knowledge necessary for the practice of safe anesthesia in large animals. Moreover, the course will help the students in solidifying their knowledge and understanding of large animal anesthesiology by relating what they experienced in the anesthesiology clerkship.

## Student Learning Outcomes

After successful completion of this course, students will be able to:

1. Explain the anesthetic management based on age and species of the large animal patient
2. Calculate and prepare sedative infusions for standing sedation techniques
3. Describe considerations and common drugs used for standing sedation techniques
4. Describe drugs used for smooth induction, maintenance, and recovery of anesthesia for field procedures
5. Explain safety procedures for veterinarians and other person involved in the field technique
6. Describe the components and function of equipment used to monitor and anesthetize patients
7. Set up an anesthetic machine and a mechanical ventilator in large animals
8. Interpret significance of the findings from the different monitoring tools used in large animals
9. Describe the steps used to avoid common complications and clinically based solutions to address the occurrence of complications
10. Describe which regional anesthesia drugs are appropriate based on clinical indications

## Course Schedule

This weekly schedule contains topics, assignments, and exams. Please refer to Canvas for updates and announcements to any changes to this schedule.

**All lectures will be presented live in Lecture Hall B at the specified date and time below.**

<i>Date and Time</i>	<i>Topic/Module/Unit</i>	<i>Faculty</i>	<i>SLO # Above</i>	<i>Contact Hours</i>
08-23-2021 at 10:30-11:20 am	Introduction to the course Anesthesia of the foal	PABLO	1	1.0
08-23-2021 at 11:30-12:20 pm	General anesthesia in horses	JOHNSON	1	1.0
08-25-2021 at 10:30-11:20 am	Standing sedation techniques	JOHNSON	2	1.0
08-25-2021 at 11:30-12:20 pm	Equine anesthesia - field techniques	PABLO	4,5	1.0
08-27-2021 at 10:30-11:20 am	Anesthesia of small ruminants and camelids	JOHNSON	1	1.0
08-27-2021 at 11:30-12:20 pm	General anesthesia in cattle	ROMANO	1	1.0
08-30-2021 at 10:30-11:20 am	Anesthesia of the pig	JOHNSON	1	1.0
08-30-2021 at 11:30-12:20 pm	Local anesthetic techniques in large animals	PORTELA	10	1.0
08-31-2021 at 10:30-11:20 am	Anesthesia machines and ventilators for the large animals	PORTELA	6	1.0
08-31-2021 at 11:30-12:20 pm	Monitoring the anesthetized horse	PABLO	8	1.0
09-01-2021 at 10:30-11:20 am	Anesthetic Complications in Large Animals	PABLO	9	1.0
09-01-2021 at 11:30-12:20 pm	Equine pregnancy physiology and anesthesia	CHIAVACCINI	1	1.0
09-02-2021 at 10:30-11:20 am	Anesthetic management of horses with acute abdominal crisis	ROMANO	1	1.0
09-02-2021 at 11:30-12:20 pm	Perioperative pain management in large animals	CHIAVACCINI	1	1.0
09-03-2021 at 8:00-10:00 am	Final examination	PABLO		1.0

## Required Textbooks and/or Course Materials

None

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Lumb and Jones' Veterinary Anesthesia (Tranquilli, Thurmon, & Grimm, 5<sup>th</sup> ed, 2015)

Equine Anesthesia - Monitoring and Emergency Therapy by W.W. Muir and J.A.E. Hubbell.

## Methods of Evaluation

Grades will be calculated based on the following:

Item	Weight
Final Exam	100 %
Total	100 %

The final examination will be composed of multiple-choice questions with five questions per lecture. It will be administered in Canvas using Examssoft.

## Grading Scheme

Course grades will be assigned based on the following grading scheme. This grading scale is **final**.

Letter	Scale
A	100.00 – 94.00
A-	93.99 – 90.00
B+	89.99 – 87.00
B	86.99 – 84.00
B-	83.99 – 80.00
C+	79.99 – 77.00
C	76.99 – 74.00
C-	73.99 – 70.00
D+	69.99 – 67.00
D	66.99 – 64.00
D-	63.99 – 61.00
E	60.99 – 0

## Course Policies

### Class Attendance

The students enrolled in the course are encouraged to attend lectures.

### Curriculum Policies

DVM curriculum policies are consistently held and reinforced across all DVM courses. Please visit the DVM webpage and review the curriculum policies listed within the [Online Student Handbook](#).

### Students with Accommodations

Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the Disability Resource Center by visiting [www.disability.ufl.edu/students/get-started](http://www.disability.ufl.edu/students/get-started). It is important for students to share their accommodation letter with their instructor and discuss their access needs, as early as possible in the semester. **Students in UF Health Sciences programs should be mindful that unique course accommodations may not be applicable in a clinical, fieldwork or practicum setting. Thus, planning a semester in advance with the DRC Health Sciences Learning Specialist, Lisa Diekow [ldiekow@ufsa.ufl.edu](mailto:ldiekow@ufsa.ufl.edu), is highly encouraged.**

The DRC is located on the main UF campus. ASA (Office for Academic and Student Affairs) works closely with the DRC to ensure student accommodations are met in the classroom and during exams. Melissa Pett in ASA assists in coordinating exams and meeting recommended disability-related requirements for students with accommodations ([melissacox@ufl.edu](mailto:melissacox@ufl.edu)).

## Course and Instructor Evaluation

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available on the [GatorEvals Webpage](#). Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via the [Online Platform](#). Summaries of course evaluation results are available to students at the [GatorEvals Public Results Webpage](#).

## Office location and office hours

VC-106; By appointment only as a result of the clinical commitment of the faculty and appointment can be made by e-mailing Dr. Pablo at [pablochi@ufl.edu](mailto:pablochi@ufl.edu).

# Appendix A: Faculty Lecturers

Faculty Name: Luisito Pablo

Email: [pablochi@ufl.edu](mailto:pablochi@ufl.edu)

Faculty Name: Ludovica Chiavaccini

Email: [lchiavaccini@ufl.edu](mailto:lchiavaccini@ufl.edu)

Faculty Name: Alanna Johnson

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Faculty Name: Diego Portela

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Faculty Name: Marta Romano

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