

VEM5144 Large Animal Applied Microbiology

SEMESTER: SPRING 2020

CREDIT HOURS: 1

GRADING SYSTEM: A-E GRADING

PHASE: 4

Course Coordinator

Maureen T. Long, DVM, PhD, DACVIM-LA

Office location & office hours: VAB V3-157, email or call first

Office phone number: 294-4162

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Course Description

The goal of this course is to acquire clinical competency in **diagnostic medicine** as it pertains to large animal infectious diseases with an emphasis on equids and bovids.

Student Learning Outcomes

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

1. Determine virological and bacteriological infections based on body systems and clinical signs
2. Explain appropriate clinical sampling techniques in diagnostic medicine
3. Describe appropriate and legal transport techniques in diagnostic medicine
4. Evaluate diagnostic plans based on the test sensitivity, specificity, and accuracy for common diseases

Course Schedule

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

Class meetings will be held via ZOOM conferences in Canvas.

Date	Time	Room	Module	SLO	Instructional Hours	Instructor
2-Nov	10:30am-11:20am	Zoom	Class Introduction and In Class Lecture: Overview of Agent Sampling and Transport	1-4	1.00	Long
2-Nov	11:30am-12:20pm	Zoom	Agent Identification	1-4	1.00	Long
3-Nov	10:30am-11:20am	Zoom	Overview of Nonenteric Clostridial Diseases	1-4	1.00	Long
3-Nov	11:30am-12:20pm	Zoom	Diagnosis of Liver Kidney Bacterial Diseases	1-4	1.00	Long
5-Nov	10:30am-11:20am	Zoom	Diagnosis of Liver Kidney Bacterial Diseases with Case Discussion	1-4	1.00	Long
5-Nov	11:30am-12:20pm	Zoom	Catarrhal and Lentiviral Diseases of Large Animals	1-4	1.00	Long
6-Nov	10:30am-11:20am	Zoom	Case and Quiz Discussion	1-4	1.00	Long
6-Nov	11:30am-12:20pm	Zoom	Diagnosis of Enteric Infections	1-4	1.00	Kariyawasam
9-Nov	10:30am-11:20am	Zoom	Diagnosis of Enteric Infections	1-4	1.00	Kariyawasam
9-Nov	11:30am-12:20pm	Zoom	Diagnosis of Large Animal Respiratory Diseases	1-4	1.00	Long
10-Nov	10:30am-11:20am	Zoom	Diagnosis of Large Animal Respiratory Diseases	1-4	1.00	Long/Kariyawasam
10-Nov	11:30am-12:20pm	Zoom	Case and Quiz Discussion	1-4	1.00	Long/Kariyawasam
13-Nov	10:30am-11:20am	Zoom	Infectious Neurological Diseases	1-4	1.00	Long
13-Nov	11:30am-12:20pm	Zoom	Infectious Neurological Diseases	1-4	1.00	Long
16-Nov	10:30am-11:20am	Zoom	Reproductive and Abortion Diseases	1-4	1.00	Long
16-Nov	11:30am-12:20pm	Zoom	Foreign Animal Disease and Notifiable Disease Round-up	1-4	1.00	Long
18-Nov	10:30am-11:20am	Zoom	Outbreak Control:	1-4	1.00	Long
18-Nov	11:30am-12:20pm	Zoom	Outbreak Control:	1-4	1.00	Long

Required Textbooks and/or Course Materials

There will be required reading from Anipedia. Each student will have free access to this text during the course at the following link: <https://anipedia.org>

Recommended Textbooks and/or Course Materials

None

Methods of Evaluation

Grades will be calculated based on the following:

Canvas Mini-Quizzes & Cases	190 pts
Attendance	36 pts
Final Exam Case Studies/Lectures	50 pts
Total	226 pts

Note: Late assignments will not be accepted. Quizzes/cases will be online in Canvas. The Final exam will be delivered via Canvas using HonorLock proctoring.

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

The College of Veterinary Medicine asks that students, when possible, have cameras turned on for courses in the professional curriculum, which facilitates participation and professional communication. Our class sessions may be audio visually recorded for students in the class to refer back and for enrolled students who are unable to attend live. Students who participate with their camera engaged or utilize a profile image are agreeing to have their video or image recorded. If you are unwilling to consent to have your profile or video image recorded, be sure to keep your camera off and do not use a profile image. Likewise, students who un-mute during class and participate orally are agreeing to have their voices recorded. If you are not willing to consent to have your voice recorded during class, you will need to keep your mute button activated and communicate exclusively using the "chat" feature, which allows students to type questions and comments live. The chat will not be recorded or shared. As in all courses, unauthorized recording and unauthorized sharing of recorded materials is prohibited.

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. 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 Idiekow@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 Cox in ASA assists in coordinating exams and meeting recommended disability-related requirements for students with accommodations (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.

Appendix A: Faculty Lecturers

Maureen T. Long, DVM, PhD, DACVIM-LA

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Subhashinie Kariyawasam, DVM, PhD, DAVCM, DACPV, DACVPM

Office location & office hours: V2-117, hours by appointment

Email: skariyawasam@ufl.edu

Office phone number: 294-8795 (CDPM Departmental Office)

Appendix B: Other Information

Given the breadth of material in which students are expected to become proficient before graduation, the course is now a combination of in-class and online lectures, exercises/discussions, and some laboratory techniques.

1. THIS IS NOT AN ONLINE COURSE; although all material, including lectures, are posted online and some activities are expected to be completed at home prior to the class sessions. All students are expected to come to the classroom on every course day. All absences must be cleared by Dr. Long (in advance).
2. There may be a module lecture(s) to be completed prior to class or there will be in-class lectures. A short, open-book, multiple choice “mini-quiz” follows come of the lectures. During classes designated for discussion and case-based activities, these will reflect and elaborate on the assigned subject material. Case activities should be turned on line.
3. Every lecture day will open with questions, concerns, rebuttals, etc. regarding previous material and then you will proceed to the material assigned for the day. Feel free to ask questions regarding at-home lectures during this time. Also feel free to post any questions about lecture material on the Canvas discussion board.
4. All assignments and activities are open-book. You will also receive a companion guide for this class (which is yours to keep) that includes helpful tables and graphs from the lecture material and labs presented during class. During in-class activities, you are free to look up information in the course notes. You are also permitted to work with your peers to complete certain case-based activities.
5. There are strict deadlines for completion of work and the course goes by fast, so please adhere to the deadlines. You can find all due dates on the Canvas site. If you have an issue turning in the work on time, please speak with Dr. Long directly.
6. Your grade will be awarded based on points gained via completion of your work. A majority of the points assigned will come from class participation and completion of the in-class activities. You may work ahead of the schedule to complete mini-quizzes and to watch assigned lecture material; however, pay attention to due dates for these listed on the Canvas site. Once a due date is past, mini-quizzes can no longer be submitted via Canvas.
7. There is a TAKE-HOME FINAL EXAMINATION. It is only worth 20% of your grade, so the other exercises and mini quizzes must be completed ON TIME. The final exam will consist of one 50 point assignment. Please see the description in Canvas for details.
8. There is no reason for you to not attain an excellent grade if you come to class, participate and do your homework.
9. **This is not a medicine course.** This course is meant to familiarize you with important large animal infectious diseases, to teach you how and why tests are used to diagnose specific diseases, and to get you thinking about interpreting diagnostic test results within a clinical context. This course *does* take into account that you have not had all your equine medicine yet! And for those students that did not take ruminant medicine, you will also do well.