

VEM5153 Small Animal Parasitology

SEMESTER: SPRING 2021

CREDIT HOURS: 1 CREDIT HOUR

GRADING SYSTEM: A-E GRADING

PHASE: III

Course Coordinator

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Office Hours: By appointment only.

Course Description

Small Animal Parasitology provides students with a foundation in Small Animal Parasitology for use in clinical sciences and for diagnosis, treatment and control of parasitic infections or diseases caused by helminths (trematodes, cestodes and nematodes), arthropods and protozoan parasites that infect or infest dogs and cats. Life cycles will be used as a basis of knowledge regarding hosts, sites of infection, and determination of how and when to diagnose. Clinical cases and examples of disease, treatment and diagnosis will be pulled from the most current literature, when available.

Student Learning Outcomes

After successful completion of this course, students will:

1. Define terms and phrases commonly used in veterinary parasitology.
2. Identify common helminth, protozoan and arthropod parasites of dogs and cats.
3. Explain clinical indications for common chemotherapeutic agents.
4. Describe, compare and contrast developmental life cycles of common helminth, protozoan and arthropod parasites of dogs and cats.
5. Identify zoonotic parasites in regard to parasites of dogs and cats.
6. Apply aspects of structure, life cycles, and chemotherapy to diagnosis, treatment and control of helminth parasites. Describe the biology of small animal parasites that underpins their treatment, prevention and control.
7. Perform routine diagnostic procedures in parasitology – comprehensive patient diagnosis, appropriate use of clinical laboratory testing.

Course Schedule

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

<i>Date and Time</i>	<i>Location</i>	<i>Topic/Module/Unit</i>	<i>Faculty</i>	<i>SLO # Above</i>	<i>Contact Hours</i>
Jan 25; 10:30-10:40	Large Animal Auditorium Synchronous Zoom	Introduction, housekeeping	Walden		
Jan 25; 10:40-11:20	Large Animal Auditorium Synchronous Zoom	Trematodes	Lee	1-6	1.0
Jan 25; 11:30-12:20	Large Animal Auditorium Synchronous Zoom	Cestodes	Lee	1-6	1.0
Jan. 25		Quiz 1 - Canvas (trematodes/cestodes) assigned; due Jan. 26			
Jan 26; 10:30-12:20	Large Animal Auditorium Synchronous Zoom	Nematodes Part 1	Walden	1-6	2.0
Jan. 26		Quiz 2 - Canvas (nematodes pt.1) assigned; due Jan. 27			
Jan 27; 10:30-12:20	Large Animal Auditorium Synchronous Zoom	Nematodes Part 2	Walden	1-6	2.0
Jan. 27		Quiz 3 - Canvas (nematodes pt.2) assigned; due Jan. 28			
Jan 28; 10:30-12:20	Synchronous Zoom	LABORATORY 1	Walden/Lee	7	2.0
Jan 29; 10:30-12:20	Large Animal Auditorium Synchronous Zoom	Protozoans Part 1	Walden	1-6	2.0
Jan. 29		Quiz 4 - Canvas (protozoans pt.1) assigned; due Feb. 1			
Feb 1; 10:30-11:20	Large Animal Auditorium Synchronous Zoom	Protozoans Part 2	Walden	1-6	1.0
Feb 1; 11:30-12:20	Large Animal Auditorium Synchronous Zoom	Arthropods Part 1	Walden	1-6	1.0
Feb. 1		Quiz 5 - Canvas (protozoans pt.2/ arthropods pt. 1) assigned; due Feb. 2			
Feb 2; 10:30-11:20	Large Animal Auditorium Synchronous Zoom	Arthropods Part 2	Walden	1-6	1.0
Feb 2; 11:30-12:20	Large Animal Auditorium Synchronous Zoom	Ectoparasiticides	Wuerz	6	1.0

<i>Date and Time</i>	<i>Location</i>	<i>Topic/Module/Unit</i>	<i>Faculty</i>	<i>SLO # Above</i>	<i>Contact Hours</i>
Feb. 2		Quiz 6 - Canvas (arthropods pt. 2/ ectoparasitocides) assigned; due Feb. 3			
Feb 3; 10:30-12:20	Synchronous Zoom	LABORATORY 2	Walden/Lee	7	2.0
Feb 5; 8:30-11:00am		Final Exam – Canvas	Walden/Lee		2.0
			Total		18.0

Required Textbooks and/or Course Materials

Bowman. 2014. Georgis' Parasitology for Veterinarians, 10th ed.

Zajac and Conboy. 2012. Veterinary Clinical Parasitology, 8th ed.

Recommended Textbooks and/or Course Materials

See above, journal articles will be described in the course or made available through Canvas.

All SAVMA notes and lecture PowerPoints will be available on Canvas.

Methods of Evaluation

Grades will be calculated based on the following:

Daily quizzes	60 pts
Final exam	100 pts
Total	160 pts

Grading Scheme

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

A	100 – 90
B+	85 – 89
B	80 – 84
C+	75 – 79
C	70 – 74
D+	65 – 69
D	60 – 64
E	0 – 59

Course Policies

QUIZZES: There will be 6 daily 10-point quizzes that will cover the material discussed during lecture. These quizzes are OPEN BOOK and are due before the start of the next lecture/lab period.

EXAMINATIONS: There will be one final exam at the end of the course. The exam will consist of a written exam with multiple choice questions, some questions may contain photos. There will be 1 question from each quiz on the final exam. The exam will be delivered via Canvas with proctoring through ExamSoft.

LABORATORIES: There will be two virtual laboratories during this course. More information regarding laboratories will be given in Canvas.

This course will be delivered in-person in the **Large Animal Auditorium** to a group of students on a rotating basis. Faculty who are lecturing in the classroom will be required to wear a mask. The members of the class who are not physically present in the classroom will be attending the live synchronous lecture **via Zoom**. The group of students who attend physically each day will follow physical distancing and masking requirements. **Eating or drinking while in the classroom during lecture is prohibited.**

Laboratories will be held **via synchronous Zoom**.

Additional guidelines for online learning and face-to-face learning are detailed below:

Online Learning 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.

Face-to-Face Learning Policies:

In response to COVID-19, the following policies and requirements are in place to maintain your learning environment and to enhance the safety of our in-classroom interactions.

- You are required to wear approved face coverings at all times during class and within buildings. Following and enforcing these policies and requirements are all of our responsibility. Failure to do so will lead to a report to the Office of Student Conduct and Conflict Resolution.
- Sanitizing supplies are available in the classroom if you wish to wipe down your desks prior to sitting down and at the end of the class.

- Follow your instructor's guidance on how to enter and exit the classroom. Practice physical distancing to the extent possible when entering and exiting the classroom.
- If you are experiencing COVID-19 symptoms (<https://www.cdc.gov/coronavirus/2019-ncov/symptoms-testing/symptoms.html>), please use the UF Health screening system (<https://coronavirus.ufhealth.org/screen-test-protect/covid-19-exposure-and-symptoms-who-do-i-call-if/>) and follow the instructions on whether you are able to attend class.
 - Course materials will be provided to you with an excused absence, and you will be given a reasonable amount of time to make up work (<https://catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/>).

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 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 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

Faculty Name: Heather D S Walden, MS, PhD

Email: hdstockdale@ufl.edu

Faculty Name: Alice C. Y. Lee, DVM, PhD

Email: alice.lee@vetmed.ufl.edu

Faculty Name: Julia Wuerz, DVM

Email: wuerzj@ufl.edu