

LAB SYLLABUS FOR PARASITOLOGY (ZOO 4234L) : Spring 2017

Lab Instructor: Paul Sharp, PhD

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Office hours (OE 229): Tues. (3:45-5:00PM)

Thurs. (3:45-5:00PM)

Required Lab Supplies: The following supplies are available at the FIU Campus Bookstore and are **mandatory** for admission to the lab:

1. Sullivan, J.T. *A Color Atlas of Parasitology*.
2. Lab coat (**Long sleeve shirts are not acceptable**)
3. Lab goggles/glasses
4. Lab folder and colored pencils

Grades are based on a 100 point scale (90% = A, 80% = B, 70% = C, etc.) No Rounding.

There will be NO curve The grades will be based on the following sections:

- **Quizzes: 40%**
- **Notebook check (Midterm 5%, Final Exam 5%): 10%**
- **Practical Exams (Midterm 25%, Final Exam 25%): 50%**
- **Total = 100%**

Quizzes: There will be a quiz **every week** at the beginning of each lab. The material will cover the previous lab. The lowest quiz grade will be dropped. You will also receive a grade of **0** if you arrive in lab after the quiz has been handed out. **There will be no make-up quizzes given.**

Notebook: There will be 2 notebook checks during the semester. Each will be submitted before the midterm practical and the second before the final practical. A 1 inch 3 ring binder will first include a title page with your name, panther ID, and laboratory section. The **1st section** will include the Syllabus, Laboratory Safety and Microscope Rules, and Slide Box Information handout. The **2nd section** will include **colored** drawings of specimens, with organs/structures **labeled**, in chronological order with its own divider. Specimen drawing pages should be printed out before your laboratory section at Blackboard. The **3rd section** will include all quizzes and practical(s) in chronological order with its own divider. The **4th section** will include your lab notes and handouts in chronological order with its own divider. Use dividers to separate the 4 aforementioned sections of your notebook.

Practical Exams: There will be a midterm and a final practical exam on the dates listed on the schedule. Due to the nature of the laboratory practical exams, you will also receive a grade of **0** if you are late. There will be **no make-up exams** given.

Emphasis. Questions on lab exams will stress material specifically covered in lab, primarily morphology, taxonomy, host(s) and target organ. The questions will be asked from the specimens themselves; therefore, you will have to recognize the specimen and/or anatomical part indicated - **on sight** - and fill in the information requested. For example, questions might read: "Name the genus and species of this organism" or "Give the structure indicated by the pointer. Be specific." As a general rule, you will need to know the classification of all animals you study, **including those on demonstration down to order**, plus the genus and species of those whose morphology you study in detail.

Other helpful information. Learning to recognize and name parts of the anatomy of animals is difficult or impossible using only diagrams; hence, it is extremely important to study the specimens themselves intensively. Use diagrams and descriptions in the lab manual as guides. Concentrate while you are in lab. When you think you have learned a series of structures, ask your neighbor to quiz you, and you do the same for him/her. **Lab materials will be available for study only during scheduled laboratory periods.**

LABORATORY SCHEDULE FOR PARASITOLOGY (ZOO 4234L)

<u>Lab.#.</u>	<u>Week of</u>	<u>Exercise and lab manual chapter references</u>
1	9 Jan	Microscope use (Handout & Appendix)
	16 Jan	Martin Luther King Holiday (No Parasitology Lab)
2	23 Jan	Digenetic trematodes (Chapt. 6)
3	30 Jan	Digenetic trematodes (Chapt. 6) Begin Permanent Slide Preparation of “unknown” parasite
4	6 Feb	Cestoidea (Chapt. 7) Complete Permanent Slide Preparation of “unknown” parasite
5	13 Feb	Cestoidea (cont.); Acanthocephala (Chapt. 8), Monogenea Fecal smear of live <i>Hymenolepis diminuta</i> oncospheres
6	20 Feb	LAB PRACTICAL (begins 1 hour after normal lab start time)
7	27 Feb	Nematoda (Chapt. 8) <i>Ascaris lumbricoides</i> dissection
8	6 Mar	Nematoda continued (Chapt. 8)
	13 Mar	Spring Break (University Closed)
9	*20 Mar	Examination of vertebrates for parasites
10	27 Mar	Flagellates (Chapt. 1,2); Amoebas (Chapt. 3 in part)
11	3 Apr	Ciliates (Chapt 3 in part); Malaria (Chapt. 5)
12	10 Apr	LAB PRACTICAL (begins 1 hour after normal lab start time)

*March 20, 2017: Last day to drop with a DR grade

Syllabus may be subject to change!