

## LAB SYLLABUS FOR PARASITOLOGY (ZOO 4234L) : Fall 2015

Lab Instructor: Paul Sharp, PhD

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Office hours: Thurs. & Fri. (5:00-6:00PM) @ OE 229

**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 1<sup>st</sup> section will include the Syllabus, Laboratory Safety and Microscope Rules, and Slide Box Information handout. The 2<sup>nd</sup> section will include colored drawings of specimens in chronological order with its own divider. Specimen drawing pages should be printed out before your laboratory section at Blackboard. The 3<sup>rd</sup> section will include all quizzes and practical(s) in chronological order with its own divider. The 4<sup>th</sup> section will include your lab notes and handouts in chronological order with its own divider.

**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	24 Aug	Microscope use (Handout & Appendix)
2	31 Aug	Digenetic trematodes (Chapt. 6)
	7 Sept	<b>Labor Day Holiday (No Parasitology Lab)</b>
3	14 Sept	Digenetic trematodes (Chapt. 6) Begin Permanent Slide Preparation of Cestoidea proglottids
4	21 Sept	Cestoidea (Chapt. 7) Complete Permanent Slide Preparation of Cestoidea proglottids
5	28 Sept	Cestoidea (cont.); Acanthocephala (Chapt. 8), Monogenea Fecal smear of live <i>Hymenolepis diminuta</i> oncospheres
6	5 Oct	<b>LAB PRACTICAL (begins 1 hour after normal lab start time)</b>
7	12 Oct	Nematoda (Chapt. 8)
8	19 Oct	Nematoda continued (Chapt. 8)
9	26 Oct	Examination of vertebrates for parasites
10	2 Nov	Flagellates (Chapt. 1,2); Amoebas (Chapt. 3 in part)
	9 Nov	<b>Veterans Day Holiday (No Parasitology Lab)</b>
11	16 Nov	Ciliates (Chapt 3 in part); Malaria (Chapt. 5)
	23 Nov	<b>Thanksgiving Day Holiday (No Parasitology Lab)</b>
12	30 Nov	<b>LAB PRACTICAL (begins 1 hour after normal lab start time)</b>

November 2, 2015: Last day to drop with a DR grade

*Syllabus may be subject to change!*