

# ZOO 4234, 4234L – General PARASITOLOGY

## General Information – Fall 2015

### READ AND KEEP THIS SHEET FOR FUTURE REFERENCE

1. Two courses: This course is now being given as a lecture course (ZOO 4234) separate from the lab course (ZOO 4234L). These courses are corequisite.

2. Instructor: Paul Sharp PhD, Office OE 229, Office hours: Thurs. & Fri. (5:00-6:00PM)  
You may e-mail me at psharp@fiu.edu.

3. Text for ZOO 4234: Roberts and Janovy. *Foundations of Parasitology*, 8th ed. or 9<sup>th</sup> ed.

Course Objectives: Students will learn modern concepts of biology, development, immunology and pathology of animal parasites.

4. Attendance: Attendance will not be recorded; however, the increased difficulty you will experience on exams after you miss lectures is a stiff penalty. **PLEASE BE ON TIME!**

5. Hour exams in ZOO 4234:

*Mechanics:* The hour exams will be held in the regularly scheduled lecture periods (see lecture schedule). Format will be multiple choice and short answer.

*Emphasis:* The hour exams will stress lecture and reading assignments. Materials covered in lectures will be emphasized, but some (probably few) questions on material not covered in lecture will be taken from the book.

*Other helpful information:* The questions will call for specific knowledge. You should take care to **read the question carefully** and to **answer the question asked**. Note carefully that considerable memorization will be necessary in preparation for the exams, but you will also be tested on your ability to think and to use the information you have memorized.

6. Determination of the course grade:

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

No curve and No dropped exams

- Three hour exams each worth 24% totaling 72%
- Cumulative final exam worth 28%

7. Final exam in ZOO 4234: The final exam will be generally similar in format and emphasis to the hour exams. Approximately 1/4 of the final will cover the last 1/4 of the course, and 3/4 will be on the first 3/4.

*SYLLABUS MAY BE SUBJECT TO CHANGE*

FLORIDA INTERNATIONAL UNIVERSITY  
ZOO 4234 – LECTURE SCHEDULE  
Fall, 2015

Text: Roberts and Janovy, *Foundations of Parasitology*, 8<sup>th</sup> ed. or 9<sup>th</sup> ed.

Lect. no.	Date	Subject	Text assign
1	24 Aug	Biology of symbiosis	Chap. 1
2	26 Aug	Biology of symbiosis (continued)	
3	2 Sept	Parasite-Host evolution	Chap. 2
	7 Sept	<b>Labor Day Holiday (University Closed)</b>	
4	9 Sept	Parasite-Host evolution (continued)	
5	14 Sept	Host defense: The immune response	Chap. 3
6	16 Sept	The immune response (continued)	
7	21 Sept	Trematodes: form and function	Chap. 15
	23 Sept	<b>HOURLY EXAM 1</b>	
8	28 Sept	Trematodes development	
9	30 Sept	<i>Fasciola</i> , <i>Alaria</i> , <i>Leucochloridium</i> , <i>Ribeiroia</i>	Chap. 16, 17
10	5 Oct	<i>Paragonimus</i> , <i>Dicrocoelium</i> , <i>Prosthogonimus</i> , <i>Clonorchis</i>	Chap. 18
11	7 Oct	<i>Schistosoma</i> spp. ; Parasite ecology	
12	12 Oct	Aspidobothrea- <i>Aspidogaster cochicola</i> ; Monogenea- <i>Gyrodactylus salaris</i>	Chap. 14, 19
13	14 Oct	Cestodes: form and function	Chap. 20
14	19 Oct	Cestode development	
15	21 Oct	<i>Diphyllobothrium</i> , <i>Taenia</i> spp., <i>Echinococcus</i> spp.	Chap. 21
16	26 Oct	<i>Hymenolepis</i> spp., <i>Dipylidium</i>	
	28 Oct	<b>HOURLY EXAM 2</b>	
17	2 Nov	Nematodes: form and function: development	Chap. 22
18	4 Nov	<i>Strongyloides</i> , <i>Ancylostoma</i> , <i>Trichuris</i> , <i>Trichinella</i>	Chap. 23, 24, 25
19	9 Nov	<i>Enterobius</i> , <i>Dirofiliaria</i> , <i>Onchocerca</i> , <i>Ascaris</i> , <i>Anisakis</i> , <i>Wuchereria</i> , <i>Loa</i>	Chap. 26, 27, 29
	11 Nov	<b>Veterans Day Holiday (University Closed)</b>	
20	16 Nov	<i>Trypanosoma</i> , <i>Leishmania</i>	Chap. 5
21	18 Nov	Intestinal Protozoa; <i>Giardia duodenalis</i> , <i>Trichomonas</i>	Chap. 6
	23 Nov	<b>HOURLY EXAM 3</b>	
22	25 Nov	Malaria	Chap. 9
23	30 Nov	<i>Babesia microti</i> , <i>Cryptosporidium parvum</i> , <i>Toxoplasma gondii</i>	Chap. 8, 9
24	2 Dec	<i>Sacculina</i> spp., <i>Pseudodactylon</i> spp., <i>Ampulex compressa</i>	Chap. 34
	7 Dec	<b>FINAL EXAM (5:00PM to 7:00PM @ RDB 1100)</b>	

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

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