

# Zoo 4234, 4234L - General PARASITOLOGY

## General Information – Spring 2017

### 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: Tues. (3:45-5:00PM)  
You may e-mail me at [psharp@fiu.edu](mailto:psharp@fiu.edu). Thurs. (3:45-5:00PM)
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 and protozoan 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 may include multiple choice and short answer. You will be expected to recall material learned earlier in the semester to answer more challenging questions as the information builds from one exam to the next. Students that get a majority of i-Clicker questions correct in lecture will increase the weight of their bonus questions answered correctly on exams. Every exam will have 2 bonus questions.

*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 and/or journal articles.

*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 - No dropped exams - Non-negotiable
  - 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 Spring, 2017

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	9 Jan	Biology of symbiosis	Chap. 1
2	11 Jan	Biology of symbiosis (continued)	
3	13 Jan	Biology of symbiosis (continued)	
	16 Jan	<b>Martin Luther King Holiday (University Closed)</b>	
4	18 Jan	Biology of symbiosis (continued)	
5	20 Jan	Parasite-Host evolution	Chap. 2
6	23 Jan	Parasite-Host evolution (continued)	
7	25 Jan	Parasite-Host evolution (continued)	
8	27 Jan	Parasite-Host evolution (continued)	
9	30 Jan	Host defense: The immune response	Chap. 3
10	1 Feb	The immune response (continued)	
11	3 Feb	The immune response (continued)	
12	6 Feb	The immune response (continued)	
	8 Feb	<b>HOURLY EXAM 1</b>	
13	10 Feb	Trematodes: form and function	Chap. 15
14	13 Feb	Trematodes: form and function (continued)	
15	15 Feb	<i>Alaria</i> , <i>Schistosoma</i> spp.	Chap. 16
16	17 Feb	Parasite ecology, <i>Leucochloridium</i>	Chap. 2
17	20 Feb	<i>Fasciola</i> , <i>Ribeiroia</i>	Chap. 17
18	22 Feb	<i>Paragonimus</i> , <i>Dicrocoelium</i> ,	Chap. 18
19	24 Feb	<i>Prosthogonimus</i> , <i>Clonorchis</i>	
20	27 Feb	Aspidobothrea- <i>Aspidogaster cochicola</i> ; Monogenea- <i>Gyrodactylus salaris</i>	Chap. 14, 19
21	1 Mar	Cestodes: form, function, and development	Chap. 20
23	3 Mar	<i>Diphyllobothrium</i> , <i>Taenia</i> spp., <i>Echinococcus</i> spp.	Chap. 21
24	6 Mar	<i>Hymenolepis</i> spp., <i>Dipylidium</i>	
	8 Mar	<b>HOURLY EXAM 2</b>	
25	10 Mar	Nematodes: form and function: development	Chap. 22
	13-17 Mar	<b>Spring Break (University Closed)</b>	
26	*20 Mar	Nematodes: form and function: development (continued)	
27	22 Mar	<i>Trichuris</i> , <i>Trichinella</i> , <i>Strongyloides</i> ,	Chap. 23, 24
28	24 Mar	<i>Ancylostoma</i> , <i>Ascaris</i> , <i>Anisakis</i>	Chap. 25, 26
29	27 Mar	<i>Enterobius</i> , <i>Dirofiliaria</i> , <i>Onchocerca</i>	Chap. 27, 29
30	29 Mar	<i>Wuchereria</i> , <i>Loa</i>	Chap. 29
31	31 Mar	<i>Trypanosoma</i>	Chap. 5
32	3 Apr	<i>Trypanosoma</i> (continued)	Chap. 5
33	5 Apr	<i>Leishmania</i>	Chap. 5
34	7 Apr	Intestinal Protozoa; <i>Giardia duodenalis</i> , <i>Trichomonas</i>	Chap. 6
	10 Apr	<b>HOURLY EXAM 3</b>	
35	12 Apr	Malaria	Chap. 9
36	14 Apr	Malaria	Chap. 9
37	17 Apr	<i>Naegleria fowleri</i> , <i>Babesia microti</i>	Chap. 7, 9
38	19 Apr	<i>Cryptosporidium parvum</i> , <i>Toxoplasma gondii</i>	Chap. 8
39	21 Apr	Parasitoids	Chap. 34
	24 Apr	<b>Final Exam TBA</b>	

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