Zoo 4234, 4234L - General PARASITOLOGY

General Information – Fall 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 AHC1 318B, Office hours: Mon. (3:00-4:30PM)
   You may e-mail me at psharp@fiu.edu. Wed. (3:00-4:30PM)

3. Text for ZOO 4234: Roberts and Janovy. *Foundations of Parasitology*, 8th ed. or 9th 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 & 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. If students have concerns or questions about an exam it can be reviewed with Dr. Sharp during office hours up until the next consecutive exam.

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%, and 1 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, 2017

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

Lect. no.	Date	Subject	Text assign
1	21 Aug	Biology of symbiosis	Chap. 1
2	23 Aug	Biology of symbiosis (continued)	
3	25 Aug	Biology of symbiosis (continued)	
	28 Aug	Biology of symbiosis (continued)	
4	30 Aug	Parasite-Host evolution	Chap. 2
5	1 Sept	Parasite-Host evolution (continued)	
6	4 Sept	**Labor Day (FIU Closed)**	
7	6 Sept	Parasite-Host evolution (continued)	
8	8 Sept	Parasite-Host evolution (continued)	
9	11 Sept	Host defense: The immune response	Chap. 3
10	13 Sept	The immune response (continued)	
11	15 Sept	The immune response (continued)	
12	18 Sept	The immune response (continued)	
	20 Sept	**HOUR EXAM 1**	
13	22 Sept	Trematodes: form and function	Chap. 15
14	25 Sept	Trematodes: form and function (continued)	
15	27 Sept	*Alaria, Schistosoma* spp.	Chap. 16
16	29 Sept	Parasite ecology, *Leucochloridium*	Chap. 2
17	2 Oct	*Fasciola, Ribeiroia*	Chap. 17
18	4 Oct	*Paragonimus, Dicrocoelium,*	Chap. 18
19	9 Oct	*Prosthogonimus, Clonorchis*	
20	11 Oct	Aspidobothrea- *Aspidogaster cochicola*; Monogenea- *Gyrodactylus salaris*	Chap. 14, 19
21	13 Oct	Cestodes: form, function, and development	Chap. 20
23	16 Oct	*Diphyllobothrium, Taenia* spp., *Echinococcus* spp.	Chap. 21
24	18 Oct	*Hymenolepis* spp., *Dipylidium*	
	20 Oct	**HOUR EXAM 2**	
25	23 Oct	Nematodes: form and function: development	Chap. 22
	25 Oct	Nematodes: form and function: development (continued)	
26	27 Oct	*Trichuris, Trichinella, Strongyloides,*	Chap. 23, 24
27	30 Oct	*Ancylostoma ,Ascaris, Anisakis*	Chap. 25, 26
28	1 Nov	*Enterobius, Dirofiliaria, Onchocerca*	Chap. 27, 29
29	3 Nov	*Wuchereria, Loa*	Chap. 29
30	6 Nov	*Trypanosoma*	Chap. 5
31	8 Nov	*Trypanosoma* (continued)	Chap. 5
32	10 Nov	**Veterans Day (FIU Closed)**	
33	13 Nov	*Leishmania*	Chap. 5
34	15 Nov	Intestinal Protozoa; *Giardia duodenalis, Trichomonas*	Chap. 6
	17 Nov	**HOUR EXAM 3**	
35	20 Nov	Malaria	Chap. 9
36	22 Nov	Malaria	Chap. 9
37	24 Nov	**Thanksgiving Holiday (FIU Closed)**	
38	27 Nov	*Naegleria fowleri, Babesia microti*	Chap. 7, 9
39	29 Nov	*Cryptosporidium parvum, Toxoplasma gondii*	Chap. 8
	4 Dec	**Final Exam 12:00-2:00PM in AHC3 110**	

*October 30, 2017: Last day to drop with a DR grade

SYLLABUS MAY BE SUBJECT TO CHANGE!