

# Parasitology Syllabus, Biol 342

Fall 2019

## Instructor Information

Instructor	Email	Office Location & Hours
William K. Anyan, Ph.D.	<a href="mailto:wanyan@geneseo.edu">wanyan@geneseo.edu</a>	ISC 136. MWF 11:30 to 12:20 ISC 206 R 2:00 to 4:50

## General Information

### Description

My objective is to let each student appreciate and understand clinical parasitology. I will expect each of you to gain invaluable knowledge on parasites through tracking the epidemiology of the organisms, how to diagnose and methods of control and prevention. Specimen examination following lecture will be an important component to properly grasp what have been taught and learnt. I ask each student to free relax, be an active participant and feel free to ask at any time both in and out of class.

### Intended Learning Outcomes:

At the end of the course, each student is expected to:

1. Know the various parasites that cause disease to us and the environment
2. Have a full crisp of epidemiology of the various parasitic diseases
3. Have a better understanding of how to diagnose each parasitic disease
4. Know the various ways of controlling and preventing disease and infection respectively
5. Prepare students for career in either laboratory medicine, as clinical practitioner, public health staff etc.

### Required Materials

Text: CLINICAL PARASITOLOGY- A PRACTICAL APPROACH. 2<sup>nd</sup> Edition,  
Publisher: ELSEVIER [http:evolve.elsevier.com](http://evolve.elsevier.com) Author: Elizabeth A. Zeibig

### Grading

The final examination will be cumulative and will involve your knowledge of Clinical Parasitology covered from chapters 1to 12 of your text. Each test and the exam will cover lecture notes and proper identification of specimen. The final grade for the course will be computed as follows: 45% for all three tests (15% for each test), 10% for laboratory work and 45% for the final examination.

*Grades will be assigned according to the following*

A 92.5% – 100%	B+ 86.5% – 89.49%	C+ 76.5% – 79.49%	D 59.5% – 69.49%
A- 92.5% – 100%	B 82.5% – 86.49%	C 72.5% – 76.49%	E ≤ 59.49%
	B- 79.5% – 82.49%	C- 69.5% – 72.49%	

*Note: There will be no make-up tests unless there is a written confirmation of a valid excuse provided.  
Your final averages will be adjusted if necessary.*

## Course Schedule

Day of the Week	Lecture/Exams Date	Chapter (s)	Topic
Monday	26-Aug-19	1	Introductions. Syllabus
Wednesday	28-Aug-19	2	What are parasites
Friday	30-Aug-19	3	Amebas
Monday	2-Sep-19	<b>Labor Day</b>	<b>No Class</b>
Wednesday	4-Sep-19	3	Amebas
Friday	6-Sep-19	4	Flagellates
Monday	9-Sep-19	4	Flagellates
Wednesday	11-Sep-19	4	Parasites and pathogenesis
Friday	13-Sep-19	Group Pres	Chapters 1-4
Monday	16-Sept-19	Review	Chapters 1-4
Wednesday	18-Sep-19	Test-1	Chapters 1-4
Friday	20-Sep-19	Discuss Test	Chapters 1-4
Monday	23-Sep-19	5	Leishmanias (Hemoflagellate)
Wednesday	25-Sep-19	5	Leishmanias (Hemoflagellate)
Friday	27-Sep-19	5	Trypanosomes (Hemoflagellate)
Monday	30-Sep-19	5	Trypanosomes (Hemoflagellate)
Wednesday	2-Oct-19	6	<i>Plasmodium</i>
Friday	4-Oct-19	6	<i>Plasmodium</i> and <i>Babesia</i>
Monday	7-Oct-19	6	<i>Plasmodium</i> and <i>Babesia</i>
Wednesday	9-Oct-19	7	Misc. protozoa
Friday	11-Oct-19	7	Misc. protozoa
Monday	14-Oct-19	<b>Fall Break</b>	<b>No Class</b>
Wednesday	16-Oct-19	8	Nematodes
Friday	18-Oct-19	8	Nematodes
Monday	21-Oct-19	8	Nematodes
Wednesday	23-Oct-19	Group Pres	Chapters 5-8
Friday	25-Oct-19	Review	Chapters 5-8
Monday	28-Oct-19	Test 2	Chapters 5-8
Wednesday	30-Oct-19	Discuss Test	Chapters 5-8
Friday	1-Nov-19	9	Filariiae
Monday	4-Nov-19	9	Filariiae
Wednesday	6-Nov-19	10	Cestodes
Friday	8-Nov-19	10	Cestodes
Monday	11-Nov-19	11	Trematodes
Wednesday	13-Nov-19	11	Trematodes
Friday	15-Nov-19	11	Trematodes
Monday	18-Nov-19	12	Arthropods
Wednesday	20-Nov-19	12	Arthropods
Friday	22-Nov-19	Group Pres	Chapters 9-12
Monday	25-Nov-19	Gen Review	Chapters 9-12
Wednesday	27-Nov-19	<b>Thanksgiving</b>	<b>No Class</b>
Friday	29-Nov-19	<b>Thanksgiving</b>	<b>No Class</b>
Monday	2-Dec-19	Test 3	Chapters 9-12
Wednesday	4-Dec-19	Discuss Test	Chapters 9-12
Friday	6-Dec-19		

Monday	9-Dec-19		
Friday	13-Dec-19	EXAMS	

**Note: Topics and readings are tentative and subject to change. Dates for tests will not change. More detailed information will be placed on Canvas.**

### Laboratory Schedule

Week	Date	Exercise
1	29-Aug-19	Introduction to Microscopy and usage
2	5-Sep-19	Microscopy, parasites, tissues, samples
3	12-Sep-19	Amebas
4	19-Sep-19	Flagellates
5	26-Sep-19	Leishmanias
6	3-Oct-19	Trypanosome
7	10-Oct-19	Malarias, <i>Babesia</i> , and relatives
8	17-Oct-19	Malarias, <i>Babesia</i> , and relatives
9	24-Oct-19	Misc. protozoa
10	31-Oct-19	Nematodes
11	7-Nov-19	Nematodes
12	14-Nov-19	Cestodes
13	21-Nov-19	Cestodes/Trematodes
14	28-Nov-19	Trematodes
Friday	6-Dec-19	Malarias/ Trypanosome/Filariae

**Note: Lab exercises and previous meetings will be briefly reported and discussed to ensure all are in tune.**

### Additional Information and Resources

Accommodations:

Accommodations: SUNY Geneseo will make reasonable accommodations for persons with documented physical, emotional, or cognitive disabilities. Accommodation will also be made for medical conditions related to pregnancy or parenting. Students should contact Dean Buggie-Hunt in the office of Disability Services ([tbuggieh@geneseo.edu](mailto:tbuggieh@geneseo.edu) or 585-245-5112) and their faculty to discuss needed accommodation as early as possible in the semester.