



**Academic integrity:** Any misrepresentation of your work, including plagiarism, false data collection, or cheating on exams will result in a zero (0) being recorded for that activity. Please see me if you have any questions regarding this policy. Students are encouraged to become familiar with and understand the *UWSP Community Bill of Rights and Responsibilities*, particularly those sections governing student academic conduct. The *UWSP Community Bill of Rights and Responsibilities* is available for download at: <http://www.uwsp.edu/admin/stuaffairs/rights/rightsChap14.pdf>

**Students with disabilities:** Students with disabilities are welcome and encouraged in this class. Students with disabilities should contact the Office of Disability Service during the first two weeks of the semester if they wish to request specific accommodations.

**Study Aids:** The primary handouts for lectures are provided in the Lecture Supplement. The Lecture Supplement is available as a file named "Bio 362 Lecture Supplement.pdf" on D2L. I will make and distribute to you copies of any color handouts in the Lecture Supplement. Additional handouts may also be provided during particular lectures. Lecture PowerPoint presentations will be made available to registered students through the course link in *Desire to Learn* (D2L). Students must recognize the content of these files **cannot** replace regular class attendance.

**Open Lab Time:** I will attempt to leave the lab door open (or unlocked) during all other available hours. Students should plan dissections and slide preparation activities accordingly during open blocks of room time. Generally, prepared slides will be available for student review during all open lab times.

**Dissection Specimens:** Assorted carcasses (e.g., raptors, assorted mammals, etc...) are available for student dissection to procure parasites for the parasite collection. The available carcasses can be found in the labeled freezer in TNR 460 and are available on a first come first served basis. Carcasses from completed dissections **must** be placed into the other labeled freezer for appropriate disposal. Ask your instructor about other carcasses that might also be available.

**Important Dates:**

**Parasite collections are due by 5:00 P.M. on Dec. 13  
(though they may be turned in earlier ☺).**

**The final cumulative exam (210 points) is scheduled for:  
Wed. Dec 19 @ 12:30 - 2:30 P.M.**

## Animal Parasitology (Bio 362/562) Fall 2012 Schedule

DATE	TOPIC	PAGES
Sep. 4	Introduction, grading, general principles, definitions	Chaps. 1 & 2 (FOP)
Sep. 5	Parasite adaptations, host specificity, Turbellaria, Monogenea, Aspidoboth.	Chaps. 13-14, 19 (FOP)
Sep. 6	Digenea: schistosome pathology, immunology, distribution, & life cycle	Chap. 3, 15-16 (FOP)
Sep. 10	<b>Lab 1:</b> Turbellaria, Monogenea & Aspidobothrea	Pp. 1-12 (APPLM)
Sep. 11	Schistosomiasis control, other digeneans, trematode community ecology	Chaps. 17 & 18 (FOP)
Sep. 12	<b>Lab 2:</b> Digenea Intro., Digenea II & <i>Schistosoma</i> (Adult worms)	Pp. 12-26 (APPLM)
Sep. 13	Mesozoa, life in gut, Cestoda: <i>Hymenolepis</i> physiology & growth	Chaps. 12 & 20 (FOP)
Sep. 17	<b>Lab 3:</b> Digenea III (Adult worms); Intro. to processing parasites	Pp. 27-36 (APPLM)
Sep. 18	Cestoda energetics, <i>Hymenolepis</i> competition, gut parasite communities	Chap. 20 (FOP)
Sep. 19	<b>Lab 4:</b> Digenea IV (Adult worms)	Pp. 37-52 (APPLM)
Sep. 20	Cestodaria, Pseudophyllidea & major eucestode orders	Chap. 21 (FOP)
Sep. 24	<b>Lab 5:</b> Larval Digenea & Life Cycles	Pp. 53-78 (APPLM)
Sep. 25	Cyclophyllideans I: <i>Taenia</i> spp., <i>Hymenolepis</i> spp., <i>Dipylidium caninum</i>	Chap. 21 (FOP)
Sep. 26	<b>Lab 6:</b> Cestodaria, major eucestode orders	Pp. 79-105 (APPLM)
Sep. 27	Cyclophyllideans II: Hydatid disease	Chap. 21 (FOP)
Oct. 1	<b>Lab 7:</b> Cyclophyllideans I	Pp. 106-116 (APPLM)
Oct. 2	Nematodes: General features, Trichostrongyles, host hybrids, sex selection	Chap. 22 (FOP)
Oct. 3	<b>Lab 8:</b> Cyclophyllideans II & Caryophyllidea	Pp. 117-124 (APPLM)
Oct. 4	Nematodes: Geohelminths I	Chaps. 23-28 (FOP)
Oct. 8	<b>Lab 9:</b> Nematodes I	Pp. 125-153 (APPLM)
Oct. 9	Nematodes: Geohelminths II	Chaps. 23-28 (FOP)
Oct. 10	<b>Lab Practical 1 followed by open lab for parasite collection work</b>	
Oct. 11	<b>Lecture Exam 1</b>	
Oct. 15	<b>Lab 10:</b> Nematodes II	Pp. 154-159 (APPLM)
Oct. 16	Nematodes: Guinea worm, filarial worms	Chaps. 29 & 30 (FOP)
Oct. 17	<b>Lab 11:</b> Nematodes III	Pp. 160-174 (APPLM)
Oct. 18	Insect nematodes, Nematomorpha & Acanthocephala	Chaps. 24, 31-32 (FOP)

<b>DATE</b>	<b>TOPIC</b>	<b>PAGES</b>
Oct. 22	<b>Lab 12:</b> Fecal survey or “We’re #1 when it comes to #2” ☺	Pp.175, 309-328 ( <i>APPLM</i> )
Oct. 23	Parasitic Crustacea & parasitic castration	Chaps. 33-34 ( <i>FOP</i> )
Oct. 24	<b>Lab 13:</b> Acanthocephala, Mollusca, Annelida & Pentastomida	Pp. 176-182 ( <i>APPLM</i> )
Oct. 25	Parasitic crustacea & chelicerates (mites & ticks)	Chaps. 34-35, 41 ( <i>FOP</i> )
Oct. 29	<b>Lab 14:</b> Parasitic Crustacea	Pp. 183-189 ( <i>APPLM</i> )
Oct. 30	Insecta: Siphonaptera, Anoplura, Mallophaga, Diptera I	Chaps. 36-39 ( <i>FOP</i> )
Oct. 31	<b>Lab 15:</b> Mites, Ticks & Siphonaptera	Pp. 190-206 ( <i>APPLM</i> )
Nov. 1	Insecta: Diptera II, biological control and Hymenoptera	Chaps. 39 & 40 ( <i>FOP</i> )
Nov. 5	<b>Lab 16:</b> Insecta: Mallophaga and Anoplura	Pp. 207-213 ( <i>APPLM</i> )
Nov. 6	Cnidaria (Myxozoa), Protista: Microspora & Amebae	Chaps. 11, 4 & 7 ( <i>FOP</i> )
Nov. 7	<b>Lab Practical 2 followed by open lab for parasite collection work</b>	
Nov. 8	<b>Lecture Exam II</b>	
Nov. 12	<b>Lab 17:</b> Insecta: Diptera I: sand flies, mosquitoes, black flies, etc...	Pp. 214-238 ( <i>APPLM</i> )
Nov. 13	Termite flagellates, gut flagellates, Opalinata, & Hemoflagellates I	Chaps. 6 & 5 ( <i>FOP</i> )
Nov. 14	<b>Lab 18:</b> Insecta: Diptera II, Hemiptera, Hymenoptera, & Coleoptera	Pp. 239-250 ( <i>APPLM</i> )
Nov. 15	Hemoflagellates II: New World Sleeping Sickness, Leishmaniasis	Chap. 5 ( <i>FOP</i> )
Nov. 19	<b>Lab 19:</b> Myxozoa, Microsporidia & Amoebae	Pp. 251-260 ( <i>APPLM</i> )
Nov. 20	Ciliates & Apicomplexa I: Gregarines	Chaps. 10 & 8 ( <i>FOP</i> )
Nov. 21	<b>Lab 20:</b> Gut Flagellates & Opalinata	Pp. 261-266 ( <i>APPLM</i> )
Nov. 26	<b>Lab 21:</b> Hemoflagellates	Pp. 267-274 ( <i>APPLM</i> )
Nov. 27	Apicomplexa II: Coccidians, <i>Toxoplasma</i> life cycle & epidemiology	Chap. 8 ( <i>FOP</i> )
Nov. 28	<b>Lab 22:</b> Ciliates & Apicomplexa I (Gregarines)	Pp. 275-282 ( <i>APPLM</i> )
Nov. 29	Malaria: History & life cycle	Chap. 9 ( <i>FOP</i> )
Dec. 3	<b>Lab 23:</b> Apicomplexa II (Coccidians)	Pp. 283-287 ( <i>APPLM</i> )
Dec. 4	Malaria life cycle & pathology I	Chap. 9 ( <i>FOP</i> )
Dec. 5	<b>Labs 24 &amp; 25:</b> Malaria I & II	Pp. 288-298 ( <i>APPLM</i> )
Dec. 6	Malaria pathology II	Chap. 9 ( <i>FOP</i> )
Dec. 10	<b>Lab:</b> Open lab for work on parasite collection	
Dec. 11	Malaria diagnosis, treatment, history, & genetic adaptations to malaria	Chap. 9 ( <i>FOP</i> )
Dec. 12	<b>Lab Practical III &amp; open lab for work on parasite collection</b>	
Dec. 13	Overview Lecture (or “You are <i>how</i> you eat” ☺)	