Parasitology Lab Schedule

Fall 2018

Date	Lab Activity
Sep. 7, 14	Lab 1-2: Reptile/Amphibian Autopsy **Before lab**: • Review animal care procedures for reptiles and amphibians. See this page: http://www.asih.org/publications. "Use of Live Amphibians and Reptiles in Research." **Bring:** protective eyewear, lab coat, close-toed shoes, dissecting kit **Blood Smear** • Prepare thick and thin blood smears and tissue squashes from amphibian or reptile host • Collect and fix any parasitic helminthes • Properly fix vertebrate host
Sep 21	Lab 3 Parasitic Protozoa • Review oil immersion technique • Slides of parasitic protozoa • PowerPoint of parasitic protozoa
Sep 28	Lab 4 **Staining of Blood and Tissue Smears** • Stain and make permanent mount of thin blood smear, thick blood smear, and tissue smear • Examine slides and draft report **Discuss mosquito experiment and distribute materials**
Oct 5	Lab 5 **Practical 1**: Parasitic Protozoa

	Microscopy only: no safety equipment required • Slides of Trematoda • PowerPoints of Trematoda
Oct 12	Lab 6 **Bring:** protective eyewear, lab coat, close-toed shoes • Stain and permanently mount helmiths Time to review parasitic Trematoda
Oct 19	Lab 7 **Turn in:** Helminth slide(s), report of results, labelled drawing of unknown flatworm from lizard host **Microscopy only**: no safety equipment required • Slides of Cestoda • PowerPoints of Cestoda
Oct 26	Lab 8 **Practical 2:** Parasitic Platyhelminthes **Microscopy only**: no safety equipment required • Slides of Nematoda and Helminth Eggs • PowerPoints of Nematoda **Distribute** materials for fecal sampling
Nov 2	Lab 9 **Before lab:** Obtain fecal samples from mammalian host **Bring:** protective eyewear, lab coat, close-toed shoes

	Fecal Analysis • Direct Wet Mount • Sugar Flotation • Fecal Sedimentation
Nov 9	Lab 10 **Practical 3:** Parasitic Nematoda and Helminth Eggs **Turn in:** Report on fecal analysis
Nov 16	Lab 11 **Bring:** Mosquito larva samples Use online keys to identify mosquito larvae in samples
Nov 23	**Thanksgiving Holiday, No Lab**
Nov. 30	Lab 12 Slides and PowerPoints of parasitic Arthropoda **Turn in**: Mosquito identifications with key characters, collection localities
Dec. 7	**Comprehensive Final Practical**