**Marine Parasitology (BI408/508, 2 credits)**

Saturday and Sunday July 11-12, 18-19 (8:00 am - 5:00 pm)

Earlier than 8:00 am on morning field trips (July 18-19)

Instructors:

 Maya Watts (mwolf1@uoregon.edu)

 Guest Lecturer: Ritin Bhaduri (Cal State, Stanislaus)

**Class Schedule**

**Weekend 1**

**7/11 0313/ -0.04 ft.**

MW 08:00 Introduction to class

 09:00 Set up scopes, set up snails

MW 10:30 Lecture: Phylum Platyhelminthes (Turbellaria, Monogenea,Trematoda)

 13:15 Labs: Platyhelminthes (Turbellaria, Trematoda)

 (Urchin dissection, slides, cercariae in snails, fecampid cacoons)

**7/12 04:12/ -0.55 ft.**

MW 08:00 Lecture: Phylum Platyhelminthes (Class Cestoda)

MW 10:00 Lecture: Phylum Nematoda Parasites

 13:15 Lab: Fish Dissection (worms! And maybe copepods)

**Week 2**

**7/18 08:26/ -0.87 ft.**

 07:15 Field trip (Lighthouse Beach for *Emerita*) and (Fossil Pt. for *Janolus*)

RB 10:30 Lecture: Acanthocephala

 13:15 Lab: Acanthocephala

MW 15:00 Lecture: Arthropod (Crustacean) Parasites

 16:00 Janolus dissections

**7/19 09:00/ -0.48 ft.**

 07:45 Fieldtrip (Yoakam Pt., hermit crabs) and Bastendorff (seining for *Crangon*)

 11:00 Lab: Rhizocephalan barnacles

 13:15 Lab: Bopyrid and Entoniscid isopods

MW 14:00 Brief Lecture: Misc. Marine Parasites – if time allows

 16:00 Brief assessment (open book)

Grading:

Participation – 25%

-present on time, helping during collections/field trips, engaged during lectures and labs

Final essay – 25%

 -open notes

Lab Notebook – 50%

**Lab Notebook**

We will not have a formal lab manual that guides you through each lab but will typically have a lab handout to give some guidance (e.g. helpful diagrams for dissections, recommendations for organisms to look at). You will be drawing a diversity of organisms for most taxonomic groups, combined with notes on any exercises we do in lab. You don’t have to draw everything you see in lab but drawing thorough examples of different groups for each phylum is important.

**Your lab notebook should include:**

1. Drawings, descriptions, and notes on observations of animals you examine in lab
2. Accurate labeling of anatomy of live and dissected animals
3. Classification for each animal (starting with Phylum and working down to Genus and species)
4. Some indication of size scale for each drawing (field of view and magnification)
5. Notes on lab exercises
6. Field information for the organisms you describe (e.g. habitat, ecological associations etc.)

**The notebook will be graded on:**

1. Drawing the animals (all) we have presented in lab (host and parasite)

2. Description of organism/correct anatomical labeling (of parasite in particular)

3. Classification and scale for each parasite drawn

4. Name of host, location (site) of parasite in host, intensity of infection, impact on host (if known).

5. If applicable, final prevalence of each parasite in host population, tally of intensity of infection, site specificity if obvious.