

IB 116 Medical Parasitology

May 21 – June 29, 2018

Lectures TuTh, 2-5pm Dwinelle 219; Labs WF 9-12N & 1-4pm VLSB 3019

Date	Lecture Topic	Labs	Lab Activity	Parasites
Week 1 TU 5/22	- Introduction: The Wonders of Parasites - This Wormy World	WED 5/23	Microscopy and Measuring Eggs; Nematode Slides	<i>Ascaris</i> , whipworm, pinworm, hookworms, <i>Strongyloides</i> , <i>Trichinella</i>
TH 5/24	- Elephantiasis and River Blindness	FRI 5/25	Prepared nematode slides; male/female <i>Brugia</i>	<i>Brugia/Wuchereria</i> , <i>Onchocerca</i> , raccoon & dog roundworm, <i>Anisakis</i>
Week 2 TU 5/29	- As the Worm Squirms: Zoonotic Infections - Review of the Nematodes	WED 5/30	Worms Alive! Examination of dog heartworm microfilariae	Review all nematode slides
TH 5/31	Lecture Exam 1	FRI 6/1	Lab Practical 1	All nematodes slides
Week 3 TU 6/5	- Introduction to the Cestodes Parasites In Our Food: Those Yummy Cestodes Parasites From Our Pets: Those Snuggly Cestodes	WED 6/6	Fish carcass dissection: A veritable zoo & Cestode Slides	<i>Diphyllobothrium</i> , <i>Taenia solium</i> , <i>T. saginata</i> , <i>Echinococcus granulosus</i>
TH 6/7	- Review of Cestodes - Introduction to the Trematodes - <i>In Copula</i> for Life: The Schistosomes	FRI 6/8	Shedding snails and live <i>Schistosoma mansoni</i> cercariae	<i>Fasciola</i> , <i>Clonorchis</i> , <i>Paragonimus</i> , <i>Schistosoma</i> spp.
Week 4 TU 6/12	Lecture Exam 2	WED 6/13	Lab Practical 2	All cestode and trematode slides
TH 6/14	- Introduction to the Protozoa - Gut Wrenchers: Intestinal Protozoal Infections	FRI 6/15	Oil immersion and looking at very, very small organisms	<i>Giardia</i> , <i>Cryptosporidium</i> , <i>Cyclospora</i> , <i>Entamoeba histolytica</i>
Week 5 TU 6/19	- Sleeping Sickness - Chagas' Disease - Baghdad Boil	WED 6/20	Stool exams and slides	<i>Trypanosoma cruzi</i> , <i>Trypanosoma</i> spp. <i>Leishmania</i> spp.
TH 6/21	- Toxoplasmosis - Malaria: The Leading Parasitic Killer	FRI 6/22	Blood smears; Review slides	<i>Toxoplasma</i> , <i>Plasmodium vivax</i> , <i>P. falciparum</i>
Week Tues 6/26	Field Trip to UCSF Mission Bay Campus & Review	Wed 6/27	Slide review	All protozoa
TH 6/28	Lecture Exam 3	FRI 6/29	Lab Practical 3	