Parasites and Parasitism (CAMB 549) 1:00-2:30 M,W,F Rm.222 Hill, School of Veterinary Medicine

Course organizer: Jay Farrell (farrell@vet.upenn.edu)
Secretary: Tina Stanton (tinas@vet.upenn.edu)

Week 1.
March 16: Introduction to course: Overview of the parasites, disease and current state of affairs for protozoan infections. Farrell

March 18: Parasites, disease, countries and current state of affairs for helminth infections. Pearce

March 20: Metazoan parasite biology: trematodes, cestodes. Pearce

Week 2.
March 23: Pathogenesis of helminth infections. Pearce

March 25: Biology of invasion and intracellular infection by protozoan parasites. Greenbaum

March 27: How parasites alter host cell function. Hunter

Week 3.
March 30: Protozoan cell biology and the evolution of eukaryotic organelles. Harb

April 1: Biochemistry of protozoan parasites. Greenbaum

April 3: Protozoan genomics. Roos

Week 4.
April 6: Resistance to parasitic infection. Scott

April 8: Immune pathogenesis. Hunter

April 10: Student presentations. (Greenbaum/Hunter)

Week 5
April 13: Pathogenesis of protozoan infection. Farrell

April 15: Co-evolution of nematode parasites and the mammalian immune system. Artis

April 17: Student presentations. (Harb/Roos)

Week 6.
April 20: Molecular factors in parasite-vector interactions. Lok

April 22: How parasites modify host behavior. Greenberg
April 24: Student presentations (Farrell/Artis)

April 27: Student presentations (Greenberg/Lok)

Student presentations (presentations of current papers relevant to topics under discussion) are worth 40% of grade
Take home exam accounts for 60% of grade