

Parasites and Parasitism (CAMB 549) **1:00-2:30 M,W,F**

Course organizer: Farrell

Week 1.

March 17: Introduction to course: Overview of the parasites, disease and current state of affairs for protozoan infections. **Farrell**

March 19: Parasites, disease, countries and current state of affairs for helminth infections. **Pearce**

March 21: Metazoan parasite biology: trematodes, cestodes. **Pearce**

Week 2.

March 24: Pathogenesis of helminth infections. **Pearce**

March 26: Biology of invasion and intracellular infection by protozoan parasites. **Greenbaum**

March 28: How parasites alter host cell function. **Hunter**

Week 3.

March 31: Protozoan cell biology and the evolution of eukaryotic organelles. **Harb**

April 2: Biochemistry of protozoan parasites. **Greenbaum**

April 4: Protozoan genomics. **Roos**

Week 4.

April 7: Student presentations.

April 9: Immune pathogenesis. **Hunter**

April 11: Resistance to parasitic infection. **Scott**

Week 5

April 14: Pathogenesis of protozoan infection. **Farrell**

April 16: Co-evolution of nematode parasites and the mammalian immune system. **Artis**

April 18: Student presentations.

Week 6.

April 21: Molecular factors in parasite-vector interactions. **Lok**

April 23: How parasites modify host behavior. **Schad**

April 25: Student presentations

April 28th: Student presentations

Student presentations (presentations of current papers relevant to topics under discussion) are worth 35% of grade

In class exam accounts for 65% of grade