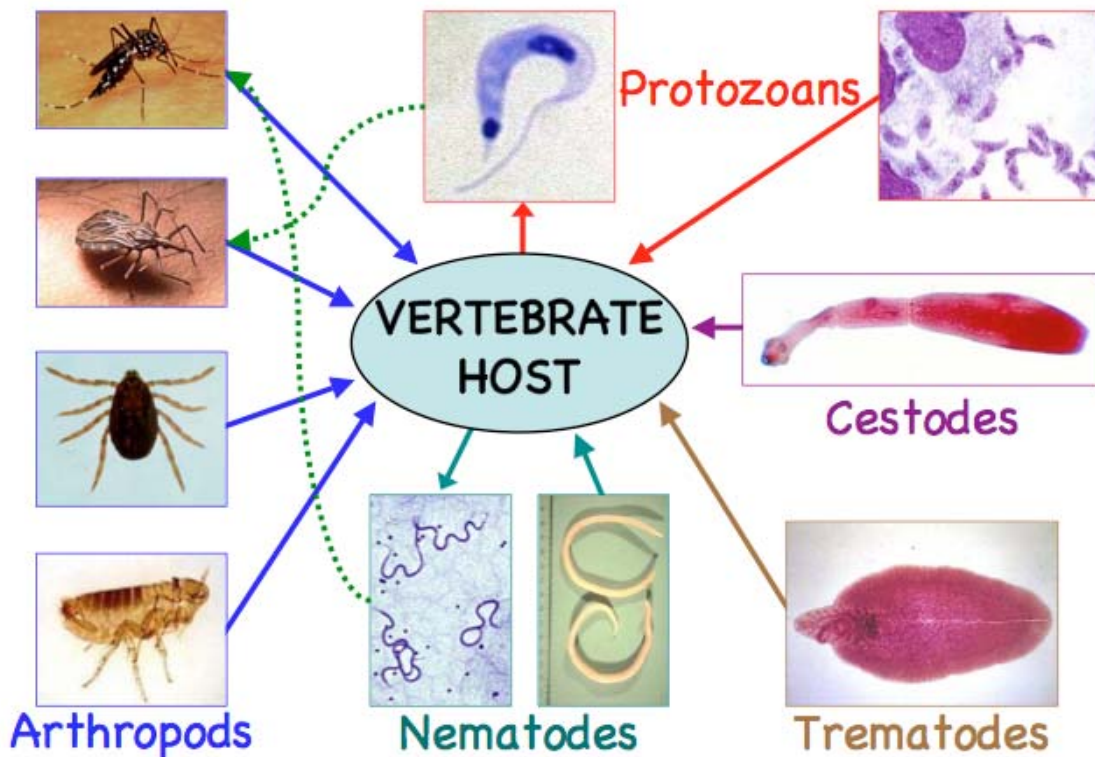


BSCI 236 – PARASITOLOGY

Instructor: Julián F. Hillyer, Ph.D.
Assistant Professor
Department of Biological Sciences
Vanderbilt University
U6231A MRBIII
tel. 615-343-2065
julian.hillyer@vanderbilt.edu

Course description:

This course will explore the biology of protozoan and metazoan parasites of medical, veterinary, and socioeconomic significance. Topics for this course include parasite life cycles, pathology, morphology, diagnosis, treatment, and control of parasitic protists, platyhelminthes, nematodes, and arthropods.



Upon completion of this course you should:

- 1) Have obtained an appreciation for the biological complexity of eukaryotic parasites and how they affect global health.
- 2) Be able to identify major parasite families and their geographical distributions.
- 3) Understand transmission dynamics and parasite life cycles.
- 4) Understand the major ecological and behavioral tendencies that foster parasite persistence.
- 5) Understand how parasites affect the social and economic development of human populations worldwide.
- 6) Understand the importance of arthropods as vectors of disease.