

Medical & Public Health Entomology
FW 417/517

Credit hours: 3

Term offered: Winter

Instructor: Rossignol

Course Objectives: The overall objective of the course is to provide students with the theoretical and practical tools to understand, evaluate and participate in the control of vector-borne diseases.

Course content:

1. Derive and critically use mathematical models of transmission, and understand basic concepts of disease control.
2. Learn the life cycles and characteristics of major parasites and vectors.
3. Integrate the ethics, science and politics of control of tropical vector-borne diseases.

Prerequisites: Two terms of biology or general zoology.

Text: None

Term papers: For 517, 10 page paper on relevant topic.

Testing:

417: Grades will be based 40% on midterm and 60% on comprehensive final exam

517: Grades will consist of 35% on midterm, 45% on final, and 20% on critical 10 page essay on relevant topic. Grading of exams is more demanding.

Students for whom the course is intended: Students in general science, public health, or animal health.