TRMD 6060 Medical Entomology

Professor: Dawn Wesson, PhD

Credits: 3

Semester(s) Offered: Spring

Course Description:

Designed to provide the fundamental information necessary for understanding the role of arthropods in the transmission of pathogens causing human disease. Following a brief review of the general anatomy, physiology, and classification of arthropods, individual groups of medical importance are considered in detail in regard to the recognition of important species, the epidemiology and pathogenesis of associated diseases, and the principles and methods of vector control. Lectures, demonstrations, and laboratory exercises.
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Learning Objectives:

A. List the major arthropod-borne diseases and define their geographic distribution.
B. Distinguish specific methods of pathogen transmission by arthropods.
C. Describe the methods used for the prevention and control of arthropod-borne diseases.
D. Recognize characteristics of major groups of insects and arachnids of medical importance and identify certain genera and species of particular significance.
E. Interpret, use and construct taxonomic keys for the identification of arthropods of medical importance.