

**BIOL 3850/5850 MEDICAL & VETERINARY ENTOMOLOGY SPRING 2019
SYLLABUS & COURSE POLICIES**

Lecture: BC 2022 (M, W, F 9:00-9:50)

Laboratory: BC 2071 (Section A: Thursday 2:00 4:50; Section B: Friday 11:00 1:50)

Instructor: Dr. Mark Blackmore

Office: Bailey Science Center 2218. Tel. 259-5114; email = mblackmo@valdosta.edu

Office Hours: Mon 11-12; Wed 11-12; Thursday 9:30-10 or by appointment

Research Lab: BC 2060, Tel. 245-6422

Course scope and objectives: This course is intended to introduce the student to the biology, ecology and behavior of insects that affect the health of humans, livestock, and other domestic or wild animals. Factors contributing to the diversity and success of these arthropods and their interactions with humans will be emphasized. Students are expected to learn the characters used to identify the more common and important North American taxa of medical or veterinary importance and to assemble a collection of relevant locally-occurring species. These correspond to Department of Biology Educational Outcomes 2 (“Describe the evolutionary processes responsible for biological diversity, explain the phylogenetic relationships among the major taxa of life, and provide illustrative examples”) and 5 (Interpret ecological data pertaining to the behavior of the individual organism in its natural environment; to the structure and function of populations, communities and ecosystems, and to the human impacts on these systems and the environment.”)

Catalogue Description: **BIOL 3850/5850** Overview of medical and veterinary entomology. Reviews basic biology of insects and other arthropods, with emphasis on species affecting health of humans, domestic animals and livestock. Diseases associated with arthropods and principles of forensic entomology will be considered. **4 credit hours. Prerequisite: BIOL 3200, BIOL 3250, or permission of instructor; admission to graduate program (BIOL 5850 only).**

Texts: *Medical and Veterinary Entomology* 2nd ed. 2009 by Gary Mullen & Lance Durden.

Course requirements & grading policy: Students are expected to attend all scheduled lectures and laboratory sessions, take examinations and turn in reference collection

