SGU SVM Elective Announcement – Fall 2016

Topics in Veterinary Entomology (1 credit)
VSGP 863/ELEC 532

Term/Dates:  **After mid-terms in Fall 2016. Two or three one-hour sessions per week. Specific dates to be arranged with interested students**

Format:  11 evening lectures, 1 laboratory session, 2-3 student presentation sessions

Venue:  SVM Trailer Conference Room

Eligible:  DVM, MSc, and PhD students in SVM. Prior instruction in Virology and Parasitology will be expected.

Instructor:  Dan Fitzpatrick, MS

Enrollment:  Please stop by Mr. Fitzpatrick’s office (Veterinary Basic Medical Sciences Bldg next to VSL) to sign an elective course form, or contact him at dfitzpat@sgu.edu, or 444.4175 ext 3860, for more information.

Course Content:
Insects and other arthropods can affect human and animal health by a variety of means, including being pests, parasites, or vectors of disease. Lectures will cover several topics in insect/arthropod biology, host-vector-pathogen relationships, epidemiology, molecular tools used in veterinary entomology, and pest control, in order to supplement introductory insect-related information covered in other required DVM, MSc, or PhD classes, and to help DVM students review pertinent topics for the NAVLE.

In addition to a test on the material, students will learn how to conduct an independent literature review, and will deliver an oral presentation on a selected veterinary entomology topic of their choice.

**At the completion of the course, students will:**
1) Have a general understanding of arthropod pest biology and their impact, and how to identify and treat specific veterinary problems caused by insects and other arthropods
2) Be able to perform literature searches of recent peer-reviewed manuscripts, critically evaluate publications, and synthesize findings to create and deliver a Powerpoint presentation on research and/or treatment of a specific veterinary problem
3) Be able to critically evaluate lectures and student presentations