

COURSE SYLLABUS

ENTO 8900: Special Problems in Entomology – Applied Insect Pathology Fall Semester 2009

INSTRUCTOR

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COURSE DESCRIPTION

The Special Problems in Entomology – Applied Insect Pathology is offered as a 3 semester hour exploration of the field of applied insect pathology with topics directed to the individual student's research interests.

PURPOSE

Special Problems in Entomology – Applied Insect Pathology is offered as a graduate-level course in fulfillment of the requirements for the Masters of Science or the Doctorate in Philosophy at the University of Georgia. This course offering expands the educational opportunities for students pursuing graduate degrees in entomology and related disciplines and who are interested in directed studies and investigations with the use of insect pathogens in integrated pest management.

COURSE OBJECTIVES

Upon completion of this course, the student will (1) demonstrate knowledge of the historical aspects of the field of modern insect pathology including, but not restricted to, the early successes/failures of insect pathogens in managing insect pests; (2) accurately assess the biotic and abiotic factors that enhance or limit the success of insect pathogens as pest management tactics; (3) demonstrate competency in selected approaches of using insect pathogens in pest management systems; (4) demonstrate knowledge of the typical modes of infection and epidemiology of insect pathogens and the diseases they cause among the major groups of pathogens, and; (5) develop a comprehensive review article addressing the use of insect pathogens against an insect pest (or pest complex) and/or within a specific management system.

COURSE REQUIREMENTS AND ASSESSMENT

The student will be required to complete several assignments directed to the course content and objectives including, but not restricted to, history, tactics of insect pathogen use in pest management, investigation of pathogens and their epidemiology, and a review of pathogens and their use in the management of a specific pest, pest complex, and/or management system (tailored to the student's interests). Each assignment will be completed and submitted to the instructor for comment, discussion and grading.

ACADEMIC HONESTY

The University of Georgia seeks to promote and insure academic honesty and personal integrity among students and other members of the University Community. All students agree to abide by the Student Honor Code by signing the UGA Admission Application. This code provides, "I will be academically honest in all of my academic work and will not tolerate academic dishonesty of others." All academic work must meet the standards contained in this Code and in "A Culture of Honesty." Students are

responsible for informing themselves of those standards before performing any academic work. Links for more detailed information can be found at: www.uga.edu/honesty

NOTE/DISCLAIMER

This course syllabus is a general plan for the course. It is subject to change at the discretion of the instructor in order to accommodate instructional and/or student needs. Any deviations from the syllabus will be announced and communicated via email.