PLS 2313L Economic Entomology Lab

COURSE SYLLABUS: Spring 2019
T 1:00-2:50 AGIT 238 or Plant Science Center 22135
R 3:00-4:50 STC 211 or Plant Science Center 22137

The Plant Science Center is located at 2069 CR 4320 Campbell, TX 75422 (3.5 miles south of Commerce on Hwy 24) Please Carpool or use the Campus Shuttle, parking is limited.

INSTRUCTOR INFORMATION

Instructor: David R. Drake Ph.D. Adjunct Professor and Integrated Pest Management (IPM) Agent Texas A&M AgriLife Extension
Lab Assistant: TBA
Office Location: Plant Science Center
Office Hours: TBA or by appointment

Office Phone: 903-468-3295
Office Fax: 903-468-3291

University Email Address: drdrake@ag.tamu.edu or David.Drake@tamuc.edu

COURSE INFORMATION

Textbook(s) Recommended, NOT Required

Text
Entomology and Pest Management, 6th Edition
Pedigo, Larry; Rice, Marlin
Textbook ISBN-10: 0-13-513295-9
Text (Not Required)
Borror and DeLong's Introduction to the Study of Insects, 7th Edition
Norman F. Johnson; Charles A. Triplehorn Textbook ISBN-10: 0-03-096835-6

Optional Texts and/or Materials

Another insect identification manual, key, software or text of choice.

The *syllabus/schedule are subject to change.*

Course Description

This course introduces students to the major orders of insects and other arthropods of economic importance with specific emphasis on those beneficial and harmful to agricultural and horticultural crops, livestock, pets, and food products. Control techniques using Integrated Pest Management will be included. The Lab is concurrent to the course and serves to compliment the lectures with hands on learning.

Student Learning Outcomes

Skills:
Identify arthropods to class by inspection
Identify insects to order by inspection
Collect, process, and store insects for study
Knowledge:
Insect morphology and its use in identification of unknown specimens
Insect anatomy and physiology to understand adaptation, behavior, and resistance mechanisms
Insect life cycles and their importance in reproduction, pestilence and control
Important arthropod classes, insect orders and major family descriptions
Impact and control of major plant, animal, and human arthropod pests

COURSE REQUIREMENTS

Insect Collection

A detailed hand out will be given in lab to describe the specifics of what insects & arthropods should be collected for this assignment. There will be a minimum of 20 insects & 5 arthropods in the collection. You may have to collect more than 25 specimens to meet all requirements.
Failure to submit an insect collection will result in failing grade for the course.

Insect Fact Sheet

Students will be assigned an insect/arthropod to produce a fact sheet on dependent upon major. A 1 page Fact Sheet will be made informing the general public about an insect/arthropod that is pertinent to your major. The insect will be assigned, unless the student presents the instructor with an insect idea they would like to cover instead and it is approved. Students will prepare a 5 minute presentation about their fact sheet to be presented in lab near the end of the semester.

Attendance

Attendance will be taken at the beginning of class and lab. Attendance points will be deducted for each unexcused absence. Excused absences should be discussed with the instructor before the missed class period. During this discussion plans will be made to schedule any allowed makeup work.

Quizzes

Quizzes will be given during class and lab. Quiz grades will be averaged and totaled to 100 points at the end of the semester.

Participation

The *syllabus/schedule are subject to change.*

Participation grade will be based upon presence, effective listening, being active in group work and participating in any class discussion.

GRADING

Grading Policy:

Lecture and Lab grades are combined for a single grade
Lecture Exams 450
Insect Collection 200
Insect Fact Sheet 150
Attendance 100
Quizzes 50
Lab Participation 50

Grade Distribution:

A 900-1000
B 800-899
C 700-799
D 600-699
F <600

Grades are based on the following scale:

A = 90%-100%
B = 80%-89%
C = 70%-79%
D = 60%-69%
F = 59% or Below

COURSE OUTLINE / CALENDAR

Week 1	No lab
Week 2	Lab Safety – Greenhouse Pests
Week 3	Insect Collection Equipment - Insect Anatomy
Week 4	Insect Anatomy
Week 5	Insect Identification
Week 6	Structural Pests
Week 7	Horticultural and Greenhouse Pests
Week 8	Insect damage thresholds and IPM
Mar 12–16	Spring Break!!!
Week 9	Fact Sheet Presentations

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Week 10 Fact Sheet Presentations
Week 11 Animal Pests
Week 12 Agricultural Field Pests
Week 13 IPM
Week 14 Insect Collection and Identification
April 30th or May 2nd Lab Final

University Specific Procedures

Student Conduct

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. The Code of Student Conduct is described in detail in the Student Guidebook.
http://www.tamuc.edu/admissions/registrar/documents/studentGuidebook.pdf

Students should also consult the Rules of Netiquette for more information regarding how to interact with students in an online forum: Netiquette
http://www.albion.com/netiquette/corerules.html

TAMUC Attendance

For more information about the attendance policy please visit the Attendance webpage and Procedure 13.99.99.R0.01.
http://www.tamuc.edu/admissions/registrar/generalInformation/attendance.aspx

http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/academic/13.99.99.R0.01.pdf

Academic Integrity

Students at Texas A&M University-Commerce are expected to maintain high standards of integrity and honesty in all of their scholastic work. For more details and the definition of academic dishonesty see the following procedures:

Undergraduate Academic Dishonesty 13.99.99.R0.03

http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/undergraduates/13.99.99.R0.03UndergraduateAcademicDishonesty.pdf

Graduate Student Academic Dishonesty 13.99.99.R0.10

http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/graduate/13.99.99.R0.10GraduateStudentAcademicDishonesty.pdf

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ADA Statement

Students with Disabilities

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

Office of Student Disability Resources and Services

Texas A&M University-Commerce
Gee Library- Room 162
Phone (903) 886-5150 or (903) 886-5835
Fax (903) 468-8148
Email: Rebecca.Tuerk@tamuc.edu

Website: Office of Student Disability Resources and Services

http://www.tamuc.edu/campusLife/campusServices/studentDisabilityResourcesAndServices/

Nondiscrimination Notice

Texas A&M University-Commerce will comply in the classroom, and in online courses, with all federal and state laws prohibiting discrimination and related retaliation on the basis of race, color, religion, sex, national origin, disability, age, genetic information or veteran status. Further, an environment free from discrimination on the basis of sexual orientation, gender identity, or gender expression will be maintained.

Campus Concealed Carry Statement

Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in Texas A&M University-Commerce buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and A&M-Commerce Rule 34.06.02.R1, license holders may not carry a concealed handgun in restricted locations.

For a list of locations, please refer to the Carrying Concealed Handguns On Campus document and/or consult your event organizer.

Web url:
http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all A&M-Commerce campuses. Report violations to the University Police Department at 903-886-5868 or 9-1-1.

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