



Course title and number	Veterinary Entomology ENTO 208
Term	Spring 2014
Meeting times and location	Lecture: MW 8:00-8:50 AM, Heep Center – West Campus, Room 102 Lab: Times as assigned, Heep Center, Room 108

Course Description and Prerequisites

Prerequisite(s): None

ENTO 208, Seminar (3 credit hours) Veterinary Entomology involves the study of insects and their near relatives, such as ticks and mites, as they relate to the causation of economic loss in the care and production of domestic animals (livestock, poultry, and companion animals), and to the transmission of disease organisms that may affect the health and welfare of these animals. Many of these same or related species of insects, ticks, and mites also may directly or indirectly affect the health and well-being of humans as well, but this is not the emphasis of this course. Insect biology, economic importance, and principles and methods of control will be emphasized in lecture. Laboratory emphasizes the identification of these major arthropod pests.

Student Learning Outcomes

Course Objective: At the end of this course, you should be able to: (1) identify the major arthropod pests of livestock and poultry as well as companion animals, (2) evaluate the economic importance of each pest to animal health, and (3) recommend specific control recommendations to reduce economically damaging populations of these pests.

Instructor Information

Name	Dr. Adrienne Brundage
Telephone number	979-845-9731
Email address	adrienne.brundage@agnet.tamu.edu
Office hours	TR 10:00 AM – 1:00 PM; By appointment
Office location	Heep Center, 404A

Textbook and Resource Material

Bay, D. E., and R. L. Harris. 1988. Introduction to Veterinary Entomology. Stonefly Publishing Company. 110 pp. Royalties generated from the sale of this book do not represent a significant conflict of interest as reviewed by the Head of the Department of Entomology at TAMU.

Veterinary 208 Laboratory Course Packet. 2014. 75 pp.

Additional Reading

Occasionally I will assign additional reading material. These will be available under the “Additional Reading” link on eCampus, and will be listed in the syllabus.

Lecture

Class attendance is the student's responsibility. I expect you to attend class regularly and complete all assignments. I will not take attendance. If you miss class, you are responsible for all information and assignments. No makeup assignments or extensions will be given without a university approved excuse. I will occasionally assign unannounced in class extra credit or pop quizzes that cannot be made up, which will serve as attendance checks.

eCampus

This course has a companion website hosted through eCampus. It is important for you to access eCampus on a regular basis because it will be the place where you will:

- See the class assignment calendar to keep up with your assignments
- Download additional course materials, like handouts, power points, and notes
- Access your weekly quizzes
- Check your grades using the online grade book
- Check the FAQs, ask questions, or email your instructor

If you cannot access eCampus, please contact your instructor or TA this week to get this resolved.

Classroom Management:

- All cell phones, pagers (do they even make those anymore?), mp3 players, and other electronic devices are to be turned off and put away while in the classroom.
- Do no answer calls, view or send text messages, or surf the web while in the classroom. What's that phrase? Students, I know you're texting, no one just looks down at their crotch and smiles.
- Please be respectful to those around you and minimize talking to other students while the instructor is speaking...it throws me off and then I get all annoyed. ☹
- Please do not sleep in class, that's also annoying, and then to make myself feel better I will take your picture to post on my "students sleeping in class" Instagram account
- Do not bring visitors or children into class without permission. Just ask me and I'll happily allow them in...I just have to let the department know so I don't get in trouble.
- Do not bring food, drink, or tobacco into the classroom unless you plan to share with all of us.
- If you have any problems with other students in the class, please come and talk to me about it.
- We will be using eCampus heavily throughout the course. Make sure you are able to log into eCampus today to get up-to-date information. All information you need is probably on eCampus. (Seriously. Check there first)
- If you have any questions, check the FAQs list on eCampus. Whenever I get more than one person asking me a question, I'll post it on the FAQs list, so your question may already be answered! If not, just let me know and I'll get back to you.
- Any questions, comments, concerns, etc. come and see me in my office or drop me an email.
- If you cannot make my office hours, please make an appointment with me, or walk by my office. If my office door is open, you are welcome to walk on in!

Laboratory

Necessary materials for completion of labs are available within the required lab course packet. Proper lab attire must be worn to each lab session, and proper lab etiquette must be followed as outlined by lab instructors. Failure to do so may result in dismissal from lab and an unexcused absence.

Teaching Laboratory Safety: The Department of Entomology is committed to the safety of all students and employees participating in teaching laboratories. To ensure that a safe environment is maintained in our teaching laboratories, it is expected that all students will adhere to general safety guidelines and emergency procedures, as well as course-specific and activity-specific safety instructions provided by faculty and teaching assistants. The only chemical solvent used in the laboratory is 80% ethanol for specimen preservation. Laboratory safety and emergency procedures will be reviewed during the first class period and you will be asked to sign your acknowledgement of these instructions before attending further classes in this course.

Grading Policies

Two 100-point examinations and one 100-point final, which is not comprehensive, will be given in lecture. In addition, we will have 12 weekly online eCampus quizzes (open note, open book) worth 20 points each. Your lecture grade will comprise 2/3 (67%) of the final course grade. Four, 100-point examinations comprising 1/3 (33%) of the final course grade, will be given in laboratory. Laboratory examinations will consist of the identification of specimens (lice, fleas, flies, ticks, and mites) using taxonomic keys made available to you in the laboratory. There will be several chances for extra credit throughout the semester. These may be announced on eCampus, during class, or through email.

Lecture: 2 Major Exams (100 Points Each) + Final Exam (100 Points)

Quiz: 12 Quizzes (20 points each)

Lecture Grade = Exam total (300 pts) + Quiz total (240) = 2/3 of Course Grade

Laboratory: 4 Laboratory Exams (100 Points Each) = 1/3 Course Grade

A = 90 -100

B = 80 - 89

C = 70 - 79

D = 60 - 69

F = Below 60

Exams will be available for review in my office. I do not return exams, but you can look at them at any time, for as long as you wish.

Grades are not negotiable. Your final course grade will be based on your work in the course. If you are concerned about a grade, please see your instructors during office hours.

QUIZZES

Quizzes are online, multiple choice, open note, and open book. Each quiz consists of 20 questions randomly drawn from a pool of questions associated with that week's lectures and reading assignments. You have 40 minutes to complete the quiz, after which the quiz will automatically submit, and you have two (2) chances to take the quiz. Different questions will be drawn each time you take the quiz. The higher of your two quiz grades will be counted. Each week's quiz will be open on Wednesday at 5:00 PM, and be due by Sunday night at 11:59 PM. No late quizzes will be accepted. If you have technical difficulties, you must contact Dr. Brundage by 5:00 PM Sunday night. **ECampus servers experience problems when overloaded by students. Technical problems resulting in late quizzes due to overloaded servers after 5:00 PM on Sunday evenings will not be considered an approved excuse for an extension. Do not ask for one.** I have outlined known problems with taking online quizzes in the FAQs section of eCampus. Please familiarize yourself with these before you take your first quiz. **Note: There will be no quizzes on weeks we have exams.** Take that week off!

MAKE UP EXAMS

Make-up exams are available only with a university approved excuse. Students missing a lecture exam will have **two weeks** from the date of the initial examination to take make-up examinations. If student does not take exam during that period, the student will receive a zero for that examination. University accepted excuses are needed in order to take make-up exam. Professor discretion can be implemented. Just come talk to me about things! Everything always works out better that way.

Students missing a lab exam must make arrangements with his or her TA within **one week** of the missed exam. Due to the nature of the lab exam set up, make up lab exams are only available on Fridays, and only at the discretion of the lab TA. Alternative arrangements are not possible (nope, not even if you come and talk to me about it. Nope, not even for that reason you just thought of). If you know you will miss a lab exam in advance, you must work out an alternative with your TA in advance.

The university views class attendance as an individual student responsibility (<http://student-rules.tamu.edu>). Students are expected to attend class and to complete all assignments. Instructors are expected to give adequate notice of the dates on which major tests will be given and assignments will be due. This information has been provided on the course syllabus, which has been distributed at the first class meeting.

EXTRA CREDIT

There will be several opportunities for extra credit throughout the semester. These opportunities will be announced in class, through eCampus, and through email. I do not accept late extra credit for any reason, not even university approved excuses. It's extra!

Course Topics, Calendar of Activities, Major Assignment Dates

Spring 2014 ENTOMOLOGY 208 LECTURE SCHEDULE (Tentative)		
Note: This schedule can change. Please see eCampus for updated lecture schedule		
Date	Lecture	Reading Assignment/Quiz
Jan 13	Introduction	
15	Lecture 1: Arthropods	Quiz 1 (Lec 1)
20	Martin Luther King Jr. Day	
22	Lecture 2: Arthropod Classes	Pgs. 1-13 Quiz 2 (Lec 2)
27	Lecture 3: External Anatomy	Pgs. 14-19
29	Lecture 4: External Anatomy pt 2	Quiz 3 (Lec 3 & 4)
Feb 3	Lecture 5: Internal Anatomy and Physiology	Pgs. 19-22
5	Lecture 6: Growth and Development	Pgs. 23-24 Quiz 4 (Lec 5 & 6)
10	Lecture 7: Insect Systematics pt 1	
12	Lecture 8: Insect Systematics pt 2	Quiz 5 (Lec 7 & 8)
17	Lecture 9: Insect Systematics pt 3	
19	Exam 1: Arthropods-Insect Systematics pt 2 (Lectures 1-8)	
24	Lecture 10: Epidemiology	Pgs. 25-26
26	Lecture 11: Lice	Pgs. 27-36 Quiz 6 (Lec 10 & 11)
Mar 3	Lecture 12: Fleas	Pgs. 37-42
5	Lecture 13: Muscoid flies; Blow flies	Pgs. 54-60, 63-65 Quiz 7 (Lec 12 & 13)
10	Spring Break (Have fun!)	
12	Spring Break (Have even more fun!)	
17	Lecture 14: Muscoid flies pt 2	Happy Easter candy on sale day!
19	Lecture 15: Flesh flies; Keds; Cattle Grubs; Tabanids; Bots	Pgs. 60-69 Quiz 8 (Lec 14 & 15)
24	Lecture 16: Medicolegal Entomology pt 1	Forensic Entomology and Wildlife (Chapter posted on eCampus)
26	Lecture 17: Medicolegal entomology pt 2	Quiz 9 (Lec 16 & 17)
31	Lecture 18: Mosquitos	Pgs. 43-51
Apr 2	Exam 2: Lice – Mediolegal Entomology pt 2 (Lectures 9-17)	
7	Lecture 18: Mosquitos and disease	
9	Lecture 19: Ticks	Pgs. 70-84 Quiz 10 (Lec 18 & 19)
14	Lecture 20: Ticks and Disease	
16	Lecture 21: Mites	Pgs. 85-97 Quiz 11 (Lec 20 & 21)
21	Lecture 22: Insect Evolution	
23	Lecture 23: Principles of Control	Pgs. 98-106 Quiz 12 (Lec 21 & 22)
28	Catch up day or Movie: Monsters Inside Me	
May 1	Reading Day (No class)	
2	Final Exam: 10:00 AM -12:00 PM Mosquitoes – End (Lectures 18-25)	

Note: We will be using ethanol in lab.

Spring 2014 ENTOMOLOGY 208 LABORATORY SCHEDULE	
Date	Laboratory
Jan 13-16	Classes of Arthropods
20-23	No Lab (Martin Luther King Day)
27-30	External and Internal Anatomy
Feb 4-7	Insect Orders
11-14	Lab Practical Exam 1: Insect orders and Anatomy
18-21	Lice and Fleas
25-28	Lab Practical Exam 2: Lice and fleas
Mar 4-7	Flies
11-14	Spring Break
18-21	Mosquitoes
25-28	Flies and Mosquitoes Review
Apr 1-4	Lab Practical Exam 3: Flies and Mosquitoes
8-11	Ticks
15-18	Mites
22-25	Lab Practical Exam 4: Ticks and Mites

Other Pertinent Course Information

Classroom Behavior: Disruptive classroom behavior is defined as anything that would interfere with “an instructor’s ability to conduct the class” or “the ability of other students to profit from the instructional program.” *TAMU Student Rules* explicitly prohibit disruptive behavior.

Americans with Disabilities Act (ADA)

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 believe you have a disability requiring an accommodation, please contact Disability Services, in Cain Hall, Room B118, or call 845-1637. For additional information visit <http://disability.tamu.edu>

Academic Integrity

For additional information please visit: <http://aggiehonor.tamu.edu>

“An Aggie does not lie, cheat, or steal, or tolerate those who do.”

The Texas A&M University Honor Code, based on the long-standing affirmation that “An Aggie does not lie, cheat, or steal or tolerate those who do” is fundamental to the value of the A&M learning experience and requires that Aggies will not involve themselves in any form of academic dishonesty. According to the Office of the Aggie Honor System, academic dishonesty consists of cheating, fabrication, falsification, multiple submission, plagiarism, and multiplicity. Clarification of each of actions may be found at the Aggie Honor System website at <http://www.tamu.edu/aggiehonor>. This list, however, is not exclusive of any other acts that may reasonably be termed academic dishonesty. The penalty for a violation of academic dishonesty in this class shall be an “F” in the course and filing of an Honor Code Violation Report with the Office of the Aggie Honor System. Less severe penalties may be imposed if the circumstances warrant.