

BSPM303B - Horticultural Entomology Lab **General Syllabus - Fall 2017**

Class Location:

Sections 1, 2 – E08 *Plant Sciences Bldg*
Section 3 – E05 *Plant Sciences Bldg*

Times: Three lab sections are taught weekly on Tuesdays

Section 1 8:00-9:40 AM (meets in E08)
Section 2 10:00-11:40 AM (meets in E08)
Section 3 1:00-2:40 PM (**meets in E05**)

General Note: This course is taught three times during Tuesdays: 8:00-9:40; 10:00-11:40, 1:00-2:40. The same material is covered in each lab session.

Instructor: Whitney Cranshaw

Office: C 201 Plant Sciences

Phone: 1-6781 (*leave phone messages at great peril!!!!*)

email: Whitney.Cranshaw@Colostate.EDU (use email for most any question outside class hours)

Co-Instructor: Matt Camper

Office: C 31 Plant Sciences

Phone: 1-0713

email: Matt.Camper@Colostate.EDU

Required Text: None. Numerous publications will be brought to class for review that may be suggested for your personal reference resource.

The powerpoints that are presented during this class will be provided through Canvas.

Grading: Standard grading (A-F) with +/-
Grades are based on percentage of *430 points*

A = 388+ points

B = 346-387 points

C = 303-345 points

D = 260-302 points

+/- Grades are given. A plus (+) grade is given if within 8 points of the maximum. For example, a B+ is awarded for 380-387 points. A B- would be given for someone receiving 346-353 points.

100 pts. **Exam 1** - Identification of adult and immature insects to the order level; recognize Arthropod classes.

100 pts. **Exam 2** - Beneficial insects, plus insect groups covered prior to exam

100 pts. **Exam 3** - Insect groups covered since Exam 2

100 pts. **Exam 4** - Insect groups covered since Exam 3 (*Note:* This exam will be taken during Finals Week)

30 pts. **Insect Samples** - 10 insects or insect damage samples @ 3 pts apiece

Finals Week Exam Periods: The final exam covers the last 1/4 of the course. It will take place during the Final Exam week at times that are scheduled by the University. Tentatively, the exam schedule assigned for Fall 2017, for the times this course is taught, appear to be the following:

Tuesday, December 12 6:20-8:20 PM;
Thursday, December 14 6:20-8:20 PM; and
Friday, December 15 9:40-11:40 AM

Students from all three sections can take the final exam at any of the above times. The final exam will take about as much time as the two previous exams (about 1/2 hour for most).

General Schedule

1. During the first 4-5 classes students will be expected to learn identification of Arthropod classes and both immature and adult forms of 13 insect orders. At least one lab will be a campus "walkabout" field trip, probably at what remains of the PERC site, although we may have to do a Plan B (Gardens at Spring Creek) with the development of the Stadium site. Regardless, scheduling of this lab period will depend on weather and availability of good insects to find.

At the end of this period there will be a laboratory exam, lasting a full period, that will require students to be able to sight identify 11 orders of insects to the order level, and 5 classes of arthropods to the Class level.

2. For the remainder of the class there will be discussion of horticultural insects by associated plant group. This will include information on damage, identification and basics of management. The general groupings for discussion include:

Biological/Natural Controls
Turfgrass Insects
Woody Plant Insects (including Fruit Crops)
Vegetable Insects
Greenhouse/Flower Garden Insects

Order of presentation will vary. After every 3-4 weeks an exam will be given. The exam will take 30-40 minutes, after which the regular laboratory program will continue until the end of the period. Announcement of the time of the next exam will be given at least two weeks beforehand and will be posted on the Canvas site for the course.