

GENERAL ENTOMOLOGY
BSPM 303A L01
Fall, 2018

GENERAL DESCRIPTION: GENERAL ENTOMOLOGY is a beginning course in the biology and taxonomy of insects, emphasizing adaptations of insects to their environment and identification of insects commonly encountered.

TIME AND ROOM: Lecture/Lab: **1:00-2:40pm** Tuesday & Thursday (E008 PLSCI)

INSTRUCTOR: B. C. Kondratieff – 012 Laurel Hall (491-7314)

Email: Boris.Kondratieff@colostate.edu

TEXTS: How to Know the Insects (3rd Edition) by R. G. Bland and H. E. Jaques **MANDATORY**

OPTIONAL: Kaufman Field Guide to Insects of North America. - E. R. Eaton and K. Kaufman. 2007. Houghton Mifflin Company, New York, New York

OBJECTIVES: Upon completion, a student should be able to:

1. Demonstrate knowledge of adult insect taxonomy
 - a. Identify basic structures common to all insects
 - b. Identify all insects to order on sight
 - c. Identify common insects to family on sight
 - d. Identify less common insects to family with taxonomic keys and microscope
2. Describe selected aspects of the biology of insects
3. Demonstrate current methods used in entomology
 - a. Collecting
 - b. Preserving
 - c. Curating

ATTENDANCE

Students are expected to attend all sessions of the course. If absences become excessive, the student may receive a reduction in a grade or a failing grade for the course. If students anticipate a prolonged absence, they should contact their instructor.

ADDITIONAL TIME FOR LAB WORK

Extra lab time will be available by request for students requiring more time to work on the COLLECTION or to study the teaching collection. Contact the instructor for available dates and times.

Field Trips: Scheduled times subject to change according to the weather are **30 August 2018** and

13 September 2018.

EVALUATION:

Final Examination	60%
Collection	35%
Painted Lady Write up	5%
	100%

Final Examination will be consist of a two-hour period where 25 insect specimens be keyed to family using the textbook, materials provided in class, and other aids that the student has developed. Date of Final Examination will be **6 December 2018**.

SURPRISE QUIZZES [5-6] (Purpose is to evaluate progress of the class in efficient use of diagnostic keys). These quizzes will be used solely to allow students to judge their progress in class. They will not be used in calculating grades.

COLLECTIONS AND EQUIPMENT CHECKED OUT ARE DUE 6 DECEMBER 2018.

COLLECTION: Any 45 taxa (families, subfamilies) representing the following orders (Final collections in **TERMS OF CONTENT** may be adjusted to weather conditions and other factors):

- Collembola
- Ephemeroptera
- Odonata
- Orthoptera
- Isoptera
- Dermaptera
- Hemiptera
- Thysanoptera
- Neuroptera
- Coleoptera
- Diptera
- Trichoptera
- Lepidoptera
- Hymenoptera

NO CELL PHONE OR OTHER SIMILAR ELECTRONIC DEVICES ARE ALLOWED TO BE USED DURING FORMAL CLASS PERIODS, unless approved by the instructor. Students are allowed to use other (laptops, tablets) electronic devices to enhance their learning experiences, such in the use of electronic keys, images, etc.

CSU HONOR PLEDGE

"I have not given, received, or used any unauthorized assistance."