

GENERAL ENTOMOLOGY
BSPM 303A L02
Fall, 2012

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: **3:00-4:40pm** WF (E008 PLSCI)

INSTRUCTOR: B. C. Kondratieff – 012 Laurel Hall (491-7314)
Email: Boris.Kondratieff@colostate.edu

TEXTS: Borror and Delong's Introduction to the Study of Insects - Triplehorn and Johnson, 7th edition.

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

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.

Field Trips: Scheduled times subject to change according to the weather are **31 August 2012** and **14 September 2012**.

EVALUATION:

Final Examination will be consist of a two-hour period where 25 insect specimens be keyed to family using the textbook and other materials provided in class. Date of Final Examination will be **7 December 2012.**

Collections are due **7 December 2012.**

SURPRISE QUIZZES [5-6] (Purpose is to evaluate progress of the class in efficient use of diagnostic keys).

No cell phone or other similar electronic devices are allowed to be used during formal class periods, unless approved by the instructor.

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

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