

**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, 7<sup>th</sup> 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