

GENERAL ENTOMOLOGY
BSPM 303A
Fall, 2009

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: 1:10-2:50pm TR (E008 PLSCI)

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

The lab will be open one evening each week 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: 10 September 2009 and 24 September 2009.

EVALUATION:

Final Examination will consist of a two-hour period where 25 insect specimens that will be keyed to family using textbook and other materials provided in class. Date of Final Examination will be 10 December 2009.

Collection

SURPRISE QUIZZES (Purpose to gage progress of the class)

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

Ephemeroptera

Odonata

Orthoptera

Blattaria

Isoptera

Dermaptera

Hemiptera

Homoptera

Thysanoptera

Neuroptera

Coleoptera

Diptera

Trichoptera

Lepidoptera

Hymenoptera