

# ENTO 8600

## Insect Morphology

### Contact information:

Joe McHugh  
Room 455, Biological Sciences Building  
Phone: 542-3574  
email: jmchugh@bugs.ent.uga.edu

### Class times:

Weekly meetings:   Thursdays, 3:00-5:00  
Lab:                    T.B.A.

### Room:

Bio. Sci. 461 and 455

### Required text:

Snodgrass, R.E. 1935. Principles of Insect Morphology. McGraw-Hill  
Book Co. 667 pp.

### Grade details:

Credits: 3

Grade format: A-F

Grade breakdown:

Weekly discussion & preparation:	20%
Weekly projects:	80%

### Course Objectives:

Students will learn about the general anatomy of insects, including internal organ systems and exoskeletal structures. Through comparative studies, students will obtain an appreciation of the diversity of form that exists for these structures across the Insecta. They will have a working familiarity with basic techniques for microscopy, dissection, staining, fixation, photomicrography, and scientific illustration. Students will be evaluated based on ten dissection/illustration assignments and their participation in classroom discussions about reading assignments.

**Topical Outline:**

- Theoretical basis of homology assessment
- Microscopy techniques
- Preservation and Fixation techniques
- Dissection techniques
- Scientific illustration basics
- Head and appendages
- Thorax, legs, wings, flight mechanism
- Abdomen, external genitalia
- Digestive system
- Circulatory system
- Respiratory system
- Glandular systems
- Reproductive systems
- Nervous system

**Attendance Policy:**

Attendance is not specifically considered when calculating the grades for this course. The material presented in this class, however, is derived from diverse sources. Students are very strongly encouraged to attend each class session. The treatment of subjects in the required textbook is insufficient to substitute for one's attendance at the corresponding lectures and labs.