

# **Insect Natural History (ENTO 3140/L)**

*Fall 2022*

**Instructor:** Dr. Kenneth Ross, 119 Riverbend North Bldg., 706-542-7699, [kenross@uga.edu](mailto:kenross@uga.edu)

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**Course Structure:** Two lectures (75 min. each) and one laboratory session or field exercise (2 hr., 45 min. each) per week.

## **“Required” Textbooks:**

- A FIELD GUIDE TO THE INSECTS (OF AMERICA NORTH OF MEXICO). D. J. Borror & R. E. White. Houghton Mifflin, Boston. 1970.
- NATIONAL WILDLIFE FEDERATION FIELD GUIDE TO INSECTS AND SPIDERS & RELATED SPECIES OF NORTH AMERICA. A. V. Evans. Sterling, New York. 2007.

## **Grading:**

	<u>% of final grade</u>
(i) First midterm exam ( <i>Sept. 22</i> ):	20
(ii) Second midterm exam ( <i>Nov. 3</i> ):	20
(iii) Final exam ( <i>Dec. 8</i> ):	20
(iv) Arthropod collection (due <i>Dec. 10</i> ):	25
(v) “Pop” quizzes (five):	15

NOTE — Attendance is taken regularly for lectures; “Pop” quiz scores depend on your consistent attendance.

**Laboratory and Field Exercises:** In the first half of the semester, these will often involve going out in the field to study insects in their natural habitats, weather permitting. These trips also represent great opportunities to collect specimens for your arthropod collection. ***Be prepared to transport yourself to a pre-designated field site each laboratory session in the first half of the semester!!*** Wear rugged outdoor clothing, a hat, and shoes or boots that can get wet; bring sunscreen and water.

## **Supplemental Reading on Insects (Textbooks):**

- Arnett, R. H. 2000. American Insects: A Handbook of the Insects of America North of Mexico (2<sup>nd</sup> ed). CRC Press, Boca Raton, FL.
- Castner, J. L. 2007. Photographic Atlas of Entomology and Guide to Insect Identification. Scientific Publishers, New York.
- Cranshaw, W. and R. Redak. 2013. Bugs Rule! An Introduction to the World of Insects. Princeton Univ. Press, Princeton, New Jersey.
- Elzinga, R. J. 2004. Fundamentals of Entomology (6<sup>th</sup> Edition). Prentice Hall, Upper Saddle River, NJ.
- Gillott, C. 2005. Entomology (3<sup>rd</sup> ed). Springer, Amsterdam.
- Grimaldi, D. and M. S. Engel. 2005. Evolution of the Insects. Cambridge University Press, Cambridge.
- Gullan, P. J. and P. Cranston. 2010. The Insects: An Outline of Entomology (4<sup>th</sup> ed). John Wiley & Sons, New York.
- Marshall, S. A. 2006. Insects: Their Natural History and Diversity. Firefly Books, Buffalo, NY.
- Jones, R. 2011. Extreme Insects. Collins, London.

**Triplehorn, C. A. and N. F. Johnson. 2005. Borror and DeLong’s Introduction to the Study of Insects (7<sup>th</sup> ed.). Thomson Brooks/Cole, Belmont, CA. (*recommended*)**

Whitfield, J. B. and A. H. Purcell. 2012. Daly And Doyen's Introduction To Insect Biology And Diversity. Oxford University Press, New York.