

Teaching Experience

University of Tennessee, Knoxville, TN

- Fall 2012 General Ecology (BIO 250). Core biology course, 4 credit hours, with enrollment of ~100 second and third-year students. Provides an introduction to the science of ecology illustrated with in-class exercises and examples from the primary literature. Laboratories include field methods, statistical analysis, and culminate in a group research project and paper. Boyer was responsible for all aspects of the course, including lectures, exams, labs, and supervising graduate teaching assistants.
- Spring 2013
- Fall 2013
- Fall 2011 Graduate Seminar in Paleobiology (GEOL 640), co-instructor. Interdisciplinary discussion group on taphonomy, preservation biases, and biodiversity in the fossil record. Enrollment of 8 graduate students.
- Spring 2011 Community Ecology (EEB 421). Elective 3 credit-hour course with enrollment of 25 third and fourth year EEB majors. Lectures covered the main ideas and history of thought in the field, with special emphasis on reading the primary literature, developing scientific writing skills, and methods of data analysis. The final project was based on field research conducted during an overnight trip to the Great Smoky Mountains National Park.

University of New Mexico, Albuquerque, NM

- Spring 2006 Biogeography (Biol 494), co-instructor. Upper-level elective course with ~25 students. Course examined the geographic distribution of plants and animals and the role of geography in ecology and evolution.
- Fall 2004 Introduction to Biology for Non-majors (Biol 112L). Boyer taught three sections of laboratory. Course presented an overview of basic biological concepts, from biodiversity to meiosis, including both “wet lab” and conceptual exercises.

I have designed, but not yet taught, a new writing-intensive course at UTK:
EEB 409: The Anthropocene: A history of human-environment interactions

I have also presented guest lectures in the following:

- Spring 2013: Biodiversity (BIO 130), U Tennessee, Knoxville
Fall 2010: Conservation Biology (EEB 484), U Tennessee, Knoxville
Spring 2007: Human Macroecology (Biol 402/502), U New Mexico
Spring 2007: Community Ecology (Biol 511), U New Mexico