

DEPARTMENT OF ECOLOGY AND CONSERVATION BIOLOGY

Department Head: Dr. Kirk Winemiller, Interim

Associate Department Head for Academic Programs: Dr. Jason West

Graduate Advisor: Amanda Ray

eccb.tamu.edu (<https://eccb.tamu.edu>)

The Department of Ecology and Conservation Biology (ECCB) offers graduate programs leading to MS and PhD degrees in Ecology and Conservation Biology. The MS and PhD degrees train students for careers in research and management of terrestrial and aquatic ecological systems, as well as other fields linked to ecology and conservation biology. The MS offers a thesis and non-thesis option, allowing flexibility in both graduate education and preparation for a variety of career trajectories.

Fields of study are available in:

1. Ecology: ecosystem science, biogeochemistry, physiological ecology, ecophysiology, global change ecology, community ecology, landscape ecology, ecological restoration;
2. Conservation Biology: forest management, rangeland management, watershed management, natural resource economics and policy, conservation of biodiversity, human dimensions of ecosystem management;
3. Genetics, Systematics, and Evolution: genetics, molecular biology, genomics, population genetics, tree improvement, plant systematics, and evolution;
4. Spatial Sciences: geographic information systems, remote sensing, spatial analysis, and statistics.

Facilities within the department include modern teaching classrooms and laboratories. There are fifteen state-of-the-art research laboratories in the department, including the Biodiversity Teaching and Research Collection, the Stable Isotopes for Biosphere Sciences Laboratory, the Spatial Sciences Laboratory, and the S.M. Tracy Herbarium. Field sites and facilities are available throughout Texas and beyond. The ECCB faculty acquire external competitive research grants and contracts that provide funding for additional research avenues and graduate student support. A number of internal and external fellowships are also available to prospective students.

Graduate courses are designed to develop the academic skills of individuals and to advance their knowledge in professional fields related to Ecology and Conservation Biology. Departmental seminars facilitate graduate student development and serve to relate the most recent research findings applicable to the discipline.

The department welcomes applications from students with diverse educational backgrounds, experiences, and interests and specifically seeks applicants from underrepresented groups in ecology, conservation, and the sciences more broadly. Individually planned graduate programs assure a focused education that meets the needs of each candidate.

Additional information on academic programs and faculty may be found at eccb.tamu.edu (<https://eccb.tamu.edu>).

Faculty

Barboza, Peregrine, Professor
Ecology and Conservation Biology
PHD, University of New England, 1991

Belshe, Elizabeth, Instructional Assistant Professor
Ecology and Conservation Biology
PHD, University of Florida, 2013

Boutton, Thomas, Professor
Ecology and Conservation Biology
PHD, Brigham Young University, 1979

Briske, David, Regents Professor
Ecology and Conservation Biology
PHD, Colorado State University, 1978

Casola, Claudio, Associate Professor
Ecology and Conservation Biology
PHD, University of Pisa, Italy, 2006

Conway, Kevin, Associate Professor
Ecology and Conservation Biology
PHD, San Louis University, 2010

Dewitt, Thomas, Associate Professor
Ecology and Conservation Biology
PHD, State University of New York - Binghamton, 1996

Feagin, Russell, Professor
Ecology and Conservation Biology
PHD, Texas A&M University, 2003

Fitzgerald, Lee, Professor
Ecology and Conservation Biology
PHD, University of New Mexico, 1993

Fujiwara, Masami, Associate Professor
Ecology and Conservation Biology
PHD, Massachusetts Inst of Technology, 2002

Gan, Jianbang, Professor
Ecology and Conservation Biology
PHD, Iowa State University, 1990

Gatlin, Delbert, Regents Professor
Ecology and Conservation Biology
PHD, Mississippi State University, 1983

Grace, Jacquelyn, Assistant Professor
Ecology and Conservation Biology
PHD, Wake Forest University, 2014

Grant, William, Professor
Ecology and Conservation Biology
PHD, Colorado State University, 1974

Hibbitts, Toby, Lecturer
Ecology and Conservation Biology
PHD, University of the Witwatersrand, 2006

Hurtado Clavijo, Luis, Associate Professor
Ecology and Conservation Biology
PHD, Rutgers, 2002

Kreuter, Urs, Professor
Ecology and Conservation Biology
PHD, Utah State University, 1992

Lacher, Thomas, Professor
Ecology and Conservation Biology
PHD, University of Pittsburgh, 1980

Lawing, Anna, Associate Professor
Ecology and Conservation Biology
PHD, Indiana University, 2012

Light, Jessica, Associate Professor
Ecology and Conservation Biology
PHD, Louisiana State University, 2005

Loopstra, Carol, Associate Professor
Ecology and Conservation Biology
PHD, North Carolina State University, 1992

Mateos, Mariana, Associate Professor
Ecology and Conservation Biology
PHD, Rutgers, 2002

Noormets, Asko, Professor
Ecology and Conservation Biology
PHD, Michigan Technological University, 2001

Perkin, Joshuah, Assistant Professor
Ecology and Conservation Biology
PHD, Kansas State University, 2012

Popescu, Sorin, Professor
Ecology and Conservation Biology
PHD, Virginia Tech, 2002

Rogers, William, Professor
Ecology and Conservation Biology
PHD, Kansas State University, 1998

Spalink, Daniel, Assistant Professor
Ecology and Conservation Biology
PHD, University of Wisconsin, Madison, 2015

Srinivasan, Raghavan, Professor
Ecology and Conservation Biology
PHD, Purdue University, 1992

Stronza, Amanda, Professor
Ecology and Conservation Biology
PHD, University of Florida, 2000

Veldman, Joseph, Assistant Professor
Ecology and Conservation Biology
PHD, University of Florida, 2010

Voelker, Gary, Professor
Ecology and Conservation Biology
PHD, University of Washington, 1998

West, Jason, Associate Professor
Ecology and Conservation Biology
PHD, University of Georgia, 2002

Wilcox, Bradford, Professor
Ecology and Conservation Biology
PHD, Texas A&M University, 1986

Winemiller, Kirk, University Distinguished Professor
Ecology and Conservation Biology
PHD, The University of Texas at Austin, 1987

Winemiller, Leslie, Instructional Associate Professor
Ecology and Conservation Biology
PHD, The University of Texas at Austin, 1989

Wu, Xinyuan, Professor
Ecology and Conservation Biology
PHD, University of Tennessee, Knoxville, 1991

Yorzinski, Jessica, Assistant Professor
Ecology and Conservation Biology
PHD, University of California at Davis, 2012

Masters

- Master of Science in Ecology and Conservation Biology (<http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/agriculture-life-sciences/ecology-and-conservation-biology/ms/>)

Doctoral

- Doctor of Philosophy in Ecology and Conservation Biology (<http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/agriculture-life-sciences/ecology-and-conservation-biology/phd/>)