DEPARTMENT OF ECOSYSTEM SCIENCE AND MANAGEMENT

http://essm.tamu.edu

Department Head: Dr. Cliff Lamb, Interim

Associate Department Head for Graduate Programs: Dr. Georgianne Moore

The Department of Ecosystem Science and Management (ESSM) offers graduate programs leading to the MS and PhD degrees in Ecosystem Science and Management, the MAgr degree in Ecosystem Science and Management, and the Master of Natural Resources Development (MNRD) degree. The MS and PhD degrees are intended to educate scientists and professionals in research and management in natural resources and related fields. The MS offers a thesis option for those who desire a serious research experience and a non-thesis option for those who seek a professional career outside of research. The MNRD and MAgr degrees are professional (non-research) degree programs providing advanced training in the science and management of natural resources, including a required internship.

Fields of study are available in:

1. Ecosystem Science: biogeochemistry, ecohydrology, global change ecology, landscape ecology, ecological restoration, ecophysiology;
2. Ecosystem Management: forest management, rangeland management, watershed management, natural resource economics and policy, human dimensions of ecosystem management;
3. Genetics, Systematics, 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 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 many of them are associated with research and extension centers connected with the department. The ESSM faculty acquire external competitive research grants and contracts that provide funding for additional research avenues and graduate student support.

Graduate courses are designed to develop the academic skills of individuals and to advance their knowledge in the professional fields related to ecosystem science and management. 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. 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 http://essm.tamu.edu.

Faculty

Boutton, Thomas W, Professor
Ecosystem Science & Mgmt
PHD, Brigham Young University, 1979

Briske, David D, Professor
Ecosystem Science & Mgmt
PHD, Colorado State University, 1978

Casola, Claudio, Assistant Professor
Ecosystem Science & Mgmt
PHD, University of Pisa, Italy, 2006

Eriksson, Marian, Associate Professor
Ecosystem Science & Mgmt
PHD, University of Minnesota, 1989

Feagin, Russell A, Professor
Ecosystem Science & Mgmt
PHD, Texas A&M University, 2003

Gan, Jianbang, Professor
Ecosystem Science & Mgmt
PHD, Iowa State University, 1990

Hamilton, Wayne T, Senior Lecturer
Ecosystem Science & Mgmt
MS, Sul Ross State University, 1976

Hatch, Stephan L, Professor
Ecosystem Science & Mgmt
PHD, Texas A&M University, 1975

Hyodo, Ayumi, Research Assistant Professor
Ecosystem Science & Mgmt
PHD, The University of Western Ontario, 2010

Knight, Robert W, Associate Professor
Ecosystem Science & Mgmt
PHD, Texas A&M University, 1980

Kothmann, Merwyn M, Professor
Ecosystem Science & Mgmt
PHD, Texas A&M University, 1968

Kreuter, Urs P, Professor
Ecosystem Science & Mgmt
PHD, Utah State University, 1992

Lawing, Anna M, Assistant Professor
Ecosystem Science & Mgmt
PHD, Indiana University, 2012

Loopstra, Carol A, Associate Professor
Ecosystem Science & Mgmt
PHD, North Carolina State University, 1992

Moore, Georgianne W, Associate Professor
Ecosystem Science & Mgmt
PHD, Oregon State University, 2004

Noormets, Asko, Associate Professor
Ecosystem Science & Mgmt
PHD, Michigan Technological University, 2001
Popescu, Sorin C, Professor
Ecosystem Science & Mgmt
PHD, Virginia Tech, 2002

Rogers, William E, Professor
Ecosystem Science & Mgmt
PHD, Kansas State University, 1998

Shaw, Robert B, Senior Professor
Ecosystem Science & Mgmt
PHD, Texas A&M University, 1979

Smeins, Fred E, Visiting Professor
Ecosystem Science & Mgmt
PHD, University of Saskatchewan, 1967

Spalink, Daniel, Assistant Professor
Ecosystem Science & Mgmt
PHD, University of Wisconsin-Madison, 2015

Srinivasan, Raghavan, Professor
Ecosystem Science & Mgmt
PHD, Purdue University, 1992

Struminger, Rhonda S, Assistant Professor of the Practice
Ecosystem Science & Mgmt
PHD, Texas A&M University, 2013

Veldman, Joseph W, Assistant Professor
Ecosystem Science & Mgmt
PHD, University of Florida, 2010

Watson, Wesley T, Lecturer
Ecosystem Science & Mgmt
PHD, Texas A&M University, 1999

West, Jason B, Associate Professor
Ecosystem Science & Mgmt
PHD, University of Georgia, 2002

Wilcox, Bradford P, Professor
Ecosystem Science & Mgmt
PHD, Texas A&M University, 1986

Wu, Xinyuan Ben, Professor
Ecosystem Science & Mgmt
PHD, University of Tennessee, Knoxville, 1991

Masters

• Master of Agriculture in Ecosystem Science and Management (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/agriculture-life-sciences/ecosystem-science-management/magr)

• Master of Natural Resources Development in Natural Resources Development (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/agriculture-life-sciences/ecosystem-science-management/mnrd)

• Master of Science in Ecosystem Science and Management (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/agriculture-life-sciences/ecosystem-science-management/ms)

Doctoral

• Doctor of Philosophy in Ecosystem Science and Management (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/agriculture-life-sciences/ecosystem-science-management/phd)