

ELITA BALDRIDGE

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Biology Department
Utah State University, Logan, Utah, 84322

EDUCATION

Utah State University, Logan, UT; *in progress*: August 2010 – present
Doctor of Philosophy, Ecology
Advisor: Dr. Ethan White

Fort Hays State University, Hays, KS; August 2008- May 2010
Master of Science, Biology
Thesis title: Nested subsets, scale, and the distribution of abundance: A macroecological approach.
Advisor: Dr. Rob Channell

Kansas State University, Manhattan, KS; August 2003- December 2007
Bachelor of Science, Wildlife Ecology and Management

PROFESSIONAL EXPERIENCE

Fall 2010-
Present Graduate Teaching Assistant, Utah State University, Logan, KS. My duties included teaching laboratory sections of Biology I and II for biology majors. I was required to prepare for the labs, assist students with learning the material, and grade students' work.

Fall 2009-
Spring 2010 Fleharty Fellow, Fort Hays State University, Hays, KS. My duties as a Fleharty Fellow required me to conduct a separate research project in addition to my thesis research.

Summer 2009 Kansas Wetlands Education Center Assistant, Kansas Wetlands Education Center, Cheyenne Bottoms, KS. My duties included opening and closing the Kansas Wetlands Education Center. I also worked as a receptionist and cashier at the front desk, provided educational tours about the ecology and history of Cheyenne Bottoms, helped to take care of the display animals, and assisted with educational programs.

Fall 2008-
Spring 2009 Graduate Teaching Assistant, Fort Hays State University, Hays, KS. My duties included teaching laboratory sections of biology courses for non-majors. I was required to prepare for the labs, assist students with learning the material, and grade students' work.

Fall 2003-
Spring 2009 Student Worker, Kansas State University, Manhattan, KS. I worked in a Biohazard Level 2 lab with pathogens affecting humans, namely *E. coli* O157 H:7 and pathogenic strains of *Salmonella*. I was responsible for preparing microbiological media for the lab, and was responsible for supervising other students in the media lab. I also helped process and perform microbiological tests on the samples.

SUMMARY OF COURSES TAUGHT

Utah State University, Logan, UT

Biology I, one credit hour (Fall 2010)

Taught introductory biology course for biology majors, covering evolution, basic genetics, diversity of life, and ecology.

Biology II, one credit hour (Fall 2010)

Taught introductory biology course for biology majors, covering evolution, basic genetics, diversity of life, and ecology.

Fort Hays State University, Hays, KS

Laboratory Experiences in Biology, one credit hour (Fall 2008)

Taught introductory biology course for non-majors, covering evolution, basic genetics, diversity of life, and ecology.

Microbiology for Allied Health Laboratory, one credit hour (Fall 2008, Spring 2009)

Assisted with laboratory preparation for non-majors course, making microbiological media and culturing bacteria, as well as assisting student with laboratory activities.

Ecology Laboratory, one credit hour (Spring 2009)

Taught ecology laboratory for majors, covering diversity indices, life tables, foraging, distributions, and mark/recapture.

RESEARCH

RESEARCH INTERESTS

Macroecology
Biogeography
Community ecology
Community structure and assembly
Commonness and rarity
Distribution of abundance

PRESENTATIONS

Southwestern Association of Naturalists, Spring 2010 Meeting, Junction, TX, April 2010

Elita Baldrige & Rob Channell. Nested subset analysis: Examining geographic scale and abundance.

Kansas Ornithological Society, Fall 2009 Meeting, Hutchison, KS, October 2009

Elita Baldrige & Rob Channell. Effects of environmental conditions and distance from the geographic range center on the abundance of avian species.

POSTERS

Research & Creative Activities Week, Fort Hays State University, April 2010

Elita Baldrige. Niche position, range position, and the distribution of abundance.

Research & Creative Activities Week, Fort Hays State University, April 2009

Elita Baldrige. Nested Subsets: A pattern of community assembly.

AWARDS AND HONORS

Flehart Fellowship, Department of Biological Sciences, Fort Hays State University, \$7,000

PROFESSIONAL SOCIETIES

International Biogeography Society	Member 2008 – present
Central Plains Society of Mammalogists	Member 2008 – 2010
Kansas Ornithological Society	Member 2009- 2010

SERVICE

Kansas Academy of Science host volunteer 2010
Assisted with Fort Hays State University hosting of the Kansas Academy of Science meeting.

Sternberg Museum Volunteer 2009-2010
Volunteered with various children's programs, including owl pellet dissection and animal tracks.

Science Olympiad 2009, 2010
Test writer for high school science competition, ecology section.

Department of Biological Sciences Tiger Call Fundraiser 2009
Caller

SKILLS

Fluent in Geographic Information Systems, specifically ESRI products, with limited experience in IDRISI and DIVA-GIS as well as remote sensing applications.
Fluent in Visual Basic computer programming.
Basic R statistical programming.

SCIENTIFIC COURSES TAKEN

BIOLOGICAL SCIENCES

Principles of Biology	Organismic Biology*	Modern Genetics
Taxonomy of Vascular Plants*	Wildlife Conservation	General Entomology*
Population Biology	Physiological Adaptations*	Mammalogy*
Ornithology*	Human Parasitology	Ecology*
General Microbiology*	Wildlife Management*	<i>Behavioral Ecology</i>
<i>Landscape Ecology*</i>	<i>Biogeography</i>	<i>Systematics</i>
<i>Evolution</i>	<i>Conservation Biology</i>	<i>Neutral Theory</i>
<i>Animal Community Ecology</i>		

PHYSICAL SCIENCES

Chemistry I*	Chemistry II*	Organic Chemistry*
Biochemistry*	Physics I*	Physics II*
<i>Remote Sensing</i>		

MATHEMATICS & STATISTICS

Biometrics I

Calculus Methods

Calculus for Ecologists

Biometrics II

*Biostatistics** (audited)

College Algebra

*Multivariate Statistics**

*Courses taken at the graduate level, courses with a laboratory section **